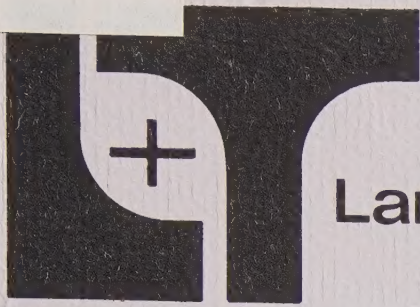


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TECHNICAL MEMORANDUM

Land Use and Transportation Study Contra Costa County, California

Number 8

October 1974

NON-DUP

/ Contra Costa County Employment Inventory Analysis //

Contra Costa County Administration Building
Martinez, California 94553

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INTRODUCTION

This Land Use and Transportation Study Technical Memorandum describes the methods by which the LUTS 1970 base year employment file (produced under Component 5-4, Employment Inventory) was expanded to add estimates of complete employment by 1970 census tracts and LUTS Traffic Zones.

Under the original component 5-4 project, an estimate of complete employment was made for the County as a whole but only those jobs that were identifiable through conventional inventory practices were allocated to census tracts and traffic zones. The jobs allocated by the completion of Component 5-4 tended to be those performed at fixed locations (such as in factories, stores, and offices) and covered by "benefits" reportable by the employer (exclusive of Social Security). The residual jobs--the difference between the number of jobs inventoried and the total number of jobs estimated for the County--that had not been allocated to census tracts and traffic zones largely consisted of those not performed at a long-term fixed location (e.g. construction jobs) or those performed by small operations (including self-employment and domestic employment). This report describes how the residual jobs were allocated and contains census tract data summary tables for use* in LUTS in particular but also in other planning activities.

This Technical Memorandum is the second report to emanate from Component 5-4 LUTS Technical Memorandum No. 2, published August 1971 and entitled 1970 Employment Inventory: Methods, Procedures and Products, which served to document the methods and procedures by which employment in Contra Costa County was inventoried and employment estimates were made for industries where full counts could not be made. While Technical Memorandum No. 2 raised the issue of how to solve the problem of allocating employment not specifically assignable to a traffic zone or census tract during the inventory phase, it did not attempt to make those assignments or to determine the exact methodology for doing so.

After completion of the regular work on Component 5-4, there was still a residual of 9,057 establishments and 20,079 employees (or 42% of total county establishments and 13.6% of all employment) requiring allocation before the file could be used for small area analysis or for input to the traffic forecasting model. In order to make the data usable for LUTS and for others, it was necessary to develop a methodology to allocate all remaining employment and to apply it. The original data file therefore required considerable work and expansion, but it has been accomplished by Planning Depart-

*The full files are maintained by the Contra Costa County Planning Department.

ment staff assigned to LUTS at a low cost. The data file was computer programmed for adaptation on an IBM 1130 Card-Disk system, a system considerably smaller in size than those used by other California counties for manipulating their employment files. These efforts have now enhanced the value of Component 5-4 for use in other LUTS components and they have created a viable and usable product for urban analysts wishing to study Contra Costa County employment at a small geographic level.

This report has three sections. The first is a short overview of Contra Costa County's employment trends over the past ten years. This is followed by a much larger section detailing the methodology used to allocate residual employment to traffic zones and census tracts. This section is presented in more detail than the others since the problem of allocating residual employment is common and it is hoped this section will be of help to others performing similar employment inventories. The last section is a statistical appendix and presents employment and establishment figures for each of the County's 533 traffic zones, 115 census tracts and 23 LUTS statistical areas as well as maps delineating their geographic boundaries.

The data tables contained in the statistical appendix can be used to relate the LUTS resident employment data to information derived from the 1970 Census. The LUTS data are an inventory by type of employment classification of all jobs within a given census tract, while the 1970 Census data (grouped in similar employment classifications) give a breakdown of the types of jobs held by the residents of a census tract. These are two different information files, but they can be used together to show, for example, how job opportunity relates to the job skills of an area's residents. These two files can also be used to show where the County's residents work and where they live. The files will enable LUTS personnel to develop employment inputs to the traffic forecasting model. Other uses of the 5-4 Employment Inventory tables include background information for general plan revisions and the basic input data necessary for an in-depth economic analysis of the County.

1960-1970 EMPLOYMENT TRENDS OVERVIEW

During the decade of 1960-1970 Contra Costa County underwent a rapid expansion of its employment base. Overall employment in the County grew from 103,400 in 1960 to 147,615 in 1970, an increase of 44,215 jobs or 42.8%. This increase paralleled and surpassed that of the County's general population growth which showed a percentage rate of 35.9% for the same ten-year period. This had the effect of raising the ratio of employed residents to the County's total population, or the "Jobs-per-1,000-Population" ratio as it is sometimes called. This ratio can be used to indicate whether an area has experienced an expansion of its employment base by examining the amount of jobs available for its residents. By comparing ratios of various areas, it is possible to characterize areas as "suburban bedroom communities" or "Metropolitan employment cores" in terms of the relative strengths of their employment bases. These ratios for each of the five constituent counties in the San Francisco-Oakland SMSA and the SMSA as a whole are shown in the following table.

Table 1

County	1960			1970		
	In Thousands Popu- lation	Employ- ment	Jobs Per 1,000 Pop.	In Thousands Popu- lation	Employ- ment	Jobs Per 1,000 Pop.
Alameda	908.2	353.0	388.6	1,073.2	459.7	428.3
Contra Costa	409.0	103.4	252.8	555.8	147.6	265.5
Marin	146.8	32.9	224.1	206.0	54.5	264.5
San Francisco	740.3	475.9	642.8	715.7	531.4	742.4
San Mateo	444.4	131.1	295.0	556.6	211.4	379.8
SMSA Total	2,648.7	1,096.3	413.9	3,107.3	1,404.6	452.0

Source: U.S. Bureau of the Census, California Department of Human Resources Department

While each of the five counties showed a rise in the Jobs-per-1,000-Population ratio, Contra Costa and Marin were the only two counties to remain in the low or "suburban bedroom community" end of the spectrum, while the three other counties already show sufficient employment base development to prove metropolitan core status (Alameda and San Francisco) or were rapidly developing that status (San Mateo).

While Contra Costa County did show substantial employment growth, this expansion in its employment base was largely of the kinds that serve suburban residential or related development. This is called "non-basic" (or sometimes "service") employment by economists. Non-basic jobs tend not to have "multiplier" effects which generate additional jobs. Employment growth from 1960 to 1970 was concentrated in the four

TABLE 2

CONTRA COSTA COUNTY EMPLOYMENT, JULY 1960-JUNE 1970

SIC CODE RANGE	EMPLOYMENT CLASSIFICATION	1960 EMPLOYMENT ¹ NUMBER PERCENT		1970 EMPLOYMENT ² NUMBER PERCENT		1960-1970 CHANGE NUMERIC PERCENT	
01-09	AGRICULTURE	2,900	2.8	3,216	2.2	316	-0.6
10-14	MINERAL EXTRACTION	300	0.3	187	0.1	-113	-0.2
15-17	CONSTRUCTION	10,800	10.4	10,794	7.3	-6	-3.1
19-39	MANUFACTURING	28,600	27.7	28,818	19.5	218	-8.2
40-49	TRANSPORTATION, COMMUNICATION, UTILITIES	6,900	6.7	8,967	6.1	2,067	-0.6
50	WHOLESALE TRADE	2,800	2.7	4,514	3.1	1,714	0.4
52-59	RETAIL TRADE	16,700	16.2	27,093	18.4	10,393	2.2
60-67	FINANCE, INSURANCE, REAL ESTATE	2,600	2.5	5,496	3.7	2,896	1.2
70-89	SERVICES	16,600	16.0	27,556	18.7	10,956	2.7
91-96	GOVERNMENT AND PUBLIC EDUCATION	14,900	14.4	26,353	17.8	11,453	3.4
99	NONCLASSIFIABLE EMPLOYMENT	300	0.3	4,621 ³	3.1	4,321	2.8
01-99	TOTAL EMPLOYMENT	103,400	100.0	147,615	100.0	44,215	-

1. Estimate by California Department of Human Resources Development.
2. Results of Contra Costa County Planning Department LUTS Employment Inventory Component 5-4.
3. Differences in methods of allocating noncovered employment account for the seemingly large 1960 to 1970 increase in Nonclassifiable Employment.

Source: Contra Costa County Land Use and Transportation Study; California Department of Human Resources Development Research and Statistics Section, San Francisco Office.

people-related or non-basic industries of Wholesale and Retail Trade, Services, Government, and the Finance, Insurance, Real Estate sector. These four industries (economic activities) accounted for about 85% of all new jobs created in the County during this ten-year period, and showed an annual growth rate of 5.5%, or nearly double that of the County's 3.0% rate of annual population increase. These four industries increased their percentage share of total county employment due to this rapid growth, moving from 51.8% to 61.7% of all County jobs.

While an expansion of the County's employment base occurred, however, it was not in the area of providing jobs of a "basic" (or "primary") function, like manufacturing, that have multiplier effects on service-oriented employment. The rapid expansion of the County's people-related industries then occurred mainly in response to the increased service needs generated by the 146,775 new residents the County gained from 1960 to 1970.

The rate of growth in manufacturing, the County's primary source of employment in 1960, did not keep pace with the trends exhibited in the service-oriented industries. The heavily industrialized areas along the Sacramento River and in the Richmond area have continued to decline in relative importance to Contra Costa County's economy as a whole, a decline which they began as early as 1950. This has had the effect of shifting the center of economic activity in Contra Costa County to the newly-developed service industries located in central County in and around the Concord-Walnut Creek area. Overall, however, manufacturing jobs did manage to increase in number but only by 218. This negligible increase brought manufacturing's share down to only 19.5% of total County employment from the 27.7% it registered in 1960, a relative decline of 42%. This decrease in relative importance of manufacturing may continue because many of the County's industrial plants are old and aging rapidly. This would portend a continuation of service-oriented employment expansion the County experienced from 1960 to 1970 and a maintenance of the County's suburban status.

ALLOCATION METHODOLOGY: INTRODUCTION

The primary purpose of the 5-4 Employment Inventory was to develop a 1970 distribution of County employment by 1970 census tracts and LUTS traffic zones (see Map 1) for input to other LUTS components. Categorized employment by those geographic areas is an essential input to, in particular, the transportation forecasting systems being developed by LUTS.* Additional use of the file may be found at appropriate levels of industry or area aggregation where it can be compared for analysis purposes with the Bay Area Transportation Study Commission's (BATSC) 1965 Employment Inventory (as refined by LUTS) for time series purposes. However, use of the file depends critically on two things, an accurate and complete as possible inventory, and an accurate allocation of all this employment to the levels of the smallest applicable geographic unit, which is the LUTS traffic zone.

The work performed resulted in development of an estimated total Countywide employment of 147,615 as of June 1970. Of this total, 134,122 employees, or 90.9%, were actually inventoried by Standard Industrial Classification (SIC) Code and located in the County's 533 LUTS traffic zones. The major portion of the inventoried employment came from Unemployment Insurance records maintained by the State of California Department of Human Resources Development (HRD). The major employment categories not covered by the HRD records included Federal, State and Local government, the Railroads, certain non-profit organizations, private households, and the self-employed and unpaid family workers; government employment actually constituted about half of the non-covered total.

After allocating the employment inventoried by Component 5-4 to LUTS traffic zones, estimates of total Countywide employment were needed as a check on the inventory and as a control for estimating the employment not counted during the inventory process (i.e., residual employment). This was done for employment in each two-digit SIC Code using a formula developed by HRD for estimating residual employment based on inventoried employment. This same step was repeated for arriving at residual and total establishments of each two-digit SIC Code. Table 3 illustrates Countywide employment by two-digit SIC Code and inventories, residual and total employment counts.

*Contra Costa County Land Use and Transportation Study, *Development of Traffic Analysis Zones*, December, 1970.

TABLE 3

1970 COUNTYWIDE EMPLOYMENT BY 2-DIGIT STANDARD INDUSTRIAL CLASSIFICATION CODE

2-Digit SIC	Inventoried Employment Allocated To Zones		Estimated Residual Employment To Be Allocated To Zones		Total Employment	
	(E _a)	(J _a)	(E _r)	(J _r)	(E _t)	(J _t)
01	270	2,331	0	0	270	2,331
07	157	857	0	0	157	857
09	5	26	0	0	5	26
13	8	34	0	0	8	34
14	4	141	5	10	9	151
15	0	0	280	3,053	280	3,053
16	0	0	120	3,536	120	3,536
17	550	3,418	400	800	950	4,218
19	2	12	0	0	2	12
20	30	3,111	50	50	80	3,161
23	17	64	0	0	17	64
24	23	132	0	0	23	132
25	23	121	0	0	23	121
26	8	2,060	0	0	8	2,060
27	68	1,260	50	50	118	1,310
28	45	3,555	0	0	45	3,555
29	18	5,880	0	0	18	5,880
30	11	168	0	0	11	168
31	2	18	0	0	2	18
32	34	1,765	0	0	34	1,765
33	10	3,488	0	0	10	3,488
34	42	2,630	0	0	42	2,630
35	56	1,783	0	0	56	1,783
36	26	705	0	0	26	705
37	36	869	0	0	36	869
38	22	989	0	0	22	989
39	15	46	25	25	40	71
40	15	734	0	0	15	734
41	22	325	50	100	72	425
42	144	1,263	112	225	256	1,488

TABLE 3 Continued

2-Digit SIC	Inventoried Employment Allocated To Zones Establishments	Estimated Residual Employment To Be Allocated To Zones Establishments	Total Employment Establishments
44	19	0	19
45	4	5	9
46	5	0	5
47	22	0	22
48	53	0	53
49	40	0	40
50	458	50	508
52	194	0	194
53	171	0	171
54	470	0	470
55	764	0	764
56	262	0	262
57	237	0	237
58	690	0	690
59	776	0	776
60	84	0	84
61	127	20	147
62	7	10	17
63	39	0	39
64	115	100	215
65	305	240	545
66	17	20	37
67	5	10	15
70	93	90	183
72	583	1,150	1,733
73	431	250	681
75	328	0	328
76	389	0	389
78	27	20	47
79	158	70	228
80	768	0	768
81	103	200	303
82	59	30	89
86	202	100	302
88	7	4,500	4,507
89	145	100	245
91	63	0	63
	4,146	0	4,146

TABLE 3 Continued

2-Digit SIC	Inventoried Employment Allocated To Zones		Estimated Residual Employment To Be Allocated To Zones		Total Employment	
	Establishments	Employment	Establishments	Employment	Establishments	Employment
92	41	1,032	0	0	41	1,032
93	330	10,069	0	0	330	10,069
96	240	11,139	0	0	240	11,139
99	1,622	1,622	1,000	3,000	2,622	4,622
TOTALS	12,116	127,533	9,057	20,082	21,173	147,615

Source: Contra Costa County Land Use and Transportation Study

GENERALIZED AND SPECIFIC ALLOCATION METHODOLOGIES

The majority of the Standard Industrial Classification (SIC) Codes were allocated according to the percentage distribution of allocated establishments. These were the following: 14, 17, 20, 27, 39, 41, 42, 45, 50, 61, 62, 65, 66, 67, 70, 72, 73, 78, 79, 81, 82, 89, and 99. For each SIC code within a traffic zone, the following methodology was developed for use in computing the amount of employment to be added to each traffic zone:

$$j_r = J_r \left(\frac{e_a}{E_a} \right) \text{ where}$$

j_r = Computed amount of employment within a particular SIC code to be allocated to the traffic zone.

e_a = Number of establishments within a particular SIC code already allocated to the traffic zone.

J_r = Countywide amount of residual employment within a particular SIC Code needing allocation to traffic zones (see Table 3).

E_a = Countywide number of establishments within a particular SIC Code already allocated to traffic zones (see Table 3).

The numbers of establishments to be allocated to each zone were computed according to the countywide ratio of residual establishments to residual employment having a methodology similar to that for allocating residual employment:

$$e_r = j_r \left(\frac{E_r}{J_r} \right) \text{ where}$$

e_r = Computed number of establishments within a particular SIC Code to be allocated to the traffic zone.

j_r = Previously computed amount of employment within a particular SIC Code having been allocated to the traffic zone.

E_r = Countywide number of residual establishments within a particular SIC Code needing allocation to traffic zones (see Table 3).

J_r = Countywide amount of residual employment within a particular SIC Code needing allocation to traffic zones (see Table 3).

To avoid a large rounding error problem, it was decided to allocate unrounded numbers of establishments and amounts of employment for each SIC Code at the traffic zone level, and then

to round to whole numbers at census tract aggregations of SIC Codes. This rounding problem can be explained by an example. Within SIC 17 there were 550 allocated establishments (E_a) and 800 residual jobs (J_r), with two of these establishments already allocated to a particular zone. The amount of employment to be allocated to this traffic zone would then be computed in the following manner:

$$1. \quad j_r = J_r \left(\frac{e_a}{E_a} \right) = 800 \left(\frac{2}{550} \right)$$

$$2. \quad j_r = 800 \left(\frac{2}{550} \right)$$

$$3. \quad j_r = 2.9$$

Following the model for allocating establishments to traffic zones would give us the following result for this traffic zone's allocation of residual establishments for SIC Code 17:

$$1. \quad e_r = J_r \left(\frac{E_r}{J_r} \right)$$

$$2. \quad e_r = 2.9 \left(\frac{400}{800} \right)$$

$$3. \quad e_r = 1.45 \text{ establishments}$$

Table 3 shows that SIC's 15, 16, and 88 had little or no inventoried employment. Thus, the generalized method for allocating residual employment according to the distribution of establishments could not be used. Special methods were then devised to assign these employment categories to zones. (See the following pages for a further explanation.)

ALLOCATION METHODOLOGY FOR SIC CODE 88 (PRIVATE HOUSEHOLD)

SIC 88 (Private Household) employment had 4,500 employees and also 4,500 individual establishments to be allocated. An allocation procedure was developed utilizing the percent distribution of the County's 38,437 acres of residential land as recorded in the 1965 BATSC Land Use Inventory.* The first premise was that more private household service workers would probably be found living in areas lower on a socio-economic scale and, therefore, working in more well-to-do areas. However, sufficient 1970 Census or other data to help create the proper skewed distribution were not available, so it was decided to seek an employment distribution standardized on the amount of residential development or acreage in an area. It was further felt that this would be a better approximation than the distribution of dwelling units since traffic zones

with higher numbers of apartments would bias the distribution in their favor, and these units would probably be using less private household services than their single-family counterparts. The 1965 BATSC Land Use Inventory was therefore used because it was the only existing completed file containing residential acreage by LUTS traffic zone and the 1970 Land Use Inventory was not yet available. The important criteria was that of a general indication of the relative amount of residential development in each traffic zone.

The following allocation methodology was devised:

$$H_e = H_j = \frac{Z}{T_1} (4500), \text{ where}$$

H_e = The number of SIC Code 88 private household worker establishments to be allocated to a particular traffic zone.

H_j = The amount of SIC Code 88 private household worker employment to be allocated to a particular traffic zone.

$H_e = H_j$ = Since each worker was treated as an independent contractor by the Employment Inventory, H_e and H_j are equal.

Z_1 = Residential acreage in a particular traffic zone.

T_1 = Total county residential acreage

Following this methodology we can use traffic zone 179 with 332 acres of residential land in 1965 as an example. The number of SIC Code 88 employees and establishments to be allocated would then be computed in the following manner:

$$H_e^{179} = H_j^{179} = \frac{332}{3834} (4500) = 38.9$$

*A summary of this work may be found in Report 3-1 prepared by the Contra Costa County Land Use and Transportation Study.

ALLOCATION OF CONSTRUCTION EMPLOYMENT

SIC 15

SIC 15 (Building Construction) had 3,053 employees to be allocated according to Table 3. It was decided that the great majority of these could be allocated to zones having residential units under construction during the time period surrounding the inventory. The employment allocation was then made according to the percent distribution of the estimated residential units under construction during the period January 1969 through June 1970. This 18 month period was used in order to allow a sufficient time lag between issuance of building permits or subdivision map filing and actual construction on the ground.

3,011 single family units were located within traffic zones using a mapping technique in which subdivisions recorded during the 18 month period (as shown on the County Recorder's maps) were plotted on a county base map according to their California grid coordinates. The subdivisions were plotted as circles with the number of lots written in the circles. After all plotting was completed, a traffic zone overlay was used to enclose the plotted subdivisions. The result of this was an estimate of the number of lots recorded in each traffic zone.

The number of multiple family dwelling units were derived from Security Pacific National Bank's *Report of Building Permit Activity* which reported 5,068 multifamily and 4,079 single family units during the 18 month period. The number of multiple units was adjusted by a simple ratio in order to be in proportion to the 3,011 single family units plotted and provide a comparable figure in order to plot multiple family building activity.

Number of single family building permits \div Number of lots in plotted subdivisions = Number of multiple family building permits \div Number of multiple family units to be used for map plotting.

$$4,079 \div 3,011 = 1.35 : 1.00$$

$$5,068 \div 3,740 = 1.35 : 1.00$$

The resulting 3,740 multi-units were then evenly distributed to the 29 traffic zones known to have multifamily construction

Report of Building Permit Activity, Economic Research Department, Security Pacific Bank, Los Angeles, California.

at the time of the inventory with each zone receiving an equal number, the average being 129. These were then also mapped with the subdivisions.

It was decided to combine the remaining 3,115 SIC 16 employees* with the 3,053 SIC 15 employees and allocate them together to traffic zones based on the zone's number of residential units under construction. This was considered reasonable since the 3,115 already excluded the 421 SIC 16 employees working on the BARTD and the Antioch highway projects, and a great deal of the remaining SIC 16 employment would be engaged in providing streets, roads, and utilities for the residential growth. Adding the two groups gave a total of 6,168 employees to be allocated. Distributing the 3,053 SIC 15 employees to the 6,781 estimated dwelling units gave a ratio of 0.452, while the 3,115 SIC 16 employees gave one of 0.461.

Table 4 shows the distribution of units to zones and the resulting allocation of the 6,168 employees.

SIC 16

SIC 16 Employment (Construction Other Than General Contractors) Building Construction had 3,536 employees to be allocated. The first step taken here was to allocate employees to the two BARTD sections under construction (Richmond-El Cerrito and Central County) plus the Antioch sections of Highways 4 and 160 receiving road work. These three areas were known to have a substantial amount of construction activity at the time of the Employment Inventory (June 1970).

The BARTD Progress Report for June 1970 reported 220 employees in the Central Contra Costa County division and 360 in the Berkeley-Richmond division. The following table shows the method used to determine the number of employees to be allocated to each BARTD station in the County:

<u>Division</u>	<u>Total Employment</u>	<u>Number of Stations in Division</u>	<u>Employees Per Station</u>
Central Contra Costa	220	6	37
Berkeley-Richmond	360	7	52

*See below for the SIC 16 methodology which resulted in the net of 3,115 employees to be allocated by this method.

The Contra Costa County BARTD stations then were broken down into traffic zones as follows according to BARTD records and through standardizing employment for each traffic zone.

Division	Station	Traffic Zones	Census Tract	SIC 16 Employment
Central Contra Costa County	Orinda	117	3530	9
		120	3530	9
		123	3540	9
		131	3540	10
	Lafayette	143	3500	9
		144	3490	9
		135	3480	9
		136	3480	10
	Walnut Creek	170	3390	18
		171	3390	19
	Pleasant Hill	197	3382	18
		198	3240	19
	Concord	264	3350	37
	Berkeley-Richmond	Richmond	495	3760
496			3760	13
497			3770	13
498			3770	13
Del Norte		461	3860	26
		462	3860	26
Plaza		451	3891	52
Total BARTD Employees in Contra Costa County				341

As can be seen by the above table, the BARTD Central Contra Costa County division which includes 6 stations has only 5 within Contra Costa County. This situation is also true for the Berkeley-Richmond division which has 7 stations, only 3 of which are within Contra Costa County. This explains why only 341 of the possible 580 BARTD employees allocatable could be counted into Contra Costa County.

The second step in allocating SIC 16 employment was to examine the state highway project in the Antioch area. A telephone call to the State Division of Highways' Antioch Field Office showed a June 1970 employment of 80 workers. These were then allocated equally to the 10 traffic zones contiguous to the project.

Traffic Zone	Census Tract	Employees Allocated
7	3020	8
8	3020	8
302	3060	8
303	3060	8
304	3060	8
305	3080	8
306	3080	8
307	3080	8
308	3071	8
309	3071	8
Total Division of Highways Employees		80

The final step in the SIC 16 allocation was to subtract out the BARTD and Antioch employees from the County total:

3,536 Total SIC 16
 - 341 BARTD Employees
 - 80 Antioch Highway Workers
 3,115 Remaining to be Allocated

The remaining 3,115 SIC 16 employees were added to the 3,053 SIC 15 employees and allocated as described in the preceding section.

TABLE 4

ALLOCATION OF RESIDENTIAL UNITS AND CONSTRUCTION EMPLOYMENT BY 1970 CENSUS TRACTS AND LUTS TRAFFIC ZONES

Traffic Zone	Census Tract	Single Family Units *	Multi Family Units *	Total Units In Zone *	SIC 15 Multiplier	Allocated SIC 15 Employment	SIC 16 Multiplier	Allocated SIC 16 Employment
4	3010	21	-	21	.452	9	.461	10
8	3020	43	-	43	.452	19	.461	20
13	3031	11	-	11	.452	5	.461	5
19	3032	7	-	7	.452	3	.461	3
48	3451	98	-	98	.452	44	.461	45
50	3451	102	-	102	.452	46	.461	47
51	3451	111	-	111	.452	50	.461	51
60	3451	183	-	183	.452	83	.461	84
61	3451	27	-	27	.452	12	.461	12
66	3462	64	-	64	.452	29	.461	30
80	3461	118	-	118	.452	53	.461	55
90	3452	38	-	38	.452	17	.461	18
91	3452	-	129	129	.452	59	.461	60
94	3452	49	-	49	.452	22	.461	23
95	3452	-	129	129	.452	58	.461	59
100	3521	22	-	22	.452	10	.461	10
102	3521	42	-	42	.452	19	.461	19
103	3521	44	-	44	.452	20	.461	20
105	3522	26	129	155	.452	70	.461	72
141	3500	98	-	98	.452	44	.461	45
144	3490	12	-	12	.452	5	.461	6
152	3511	100	-	100	.452	45	.461	46
153	3511	50	-	50	.452	23	.461	23
167	3400	12	-	12	.452	5	.461	6
170	3390	-	129	129	.452	58	.461	59
171	3390	-	129	129	.452	59	.461	60
172	3390	-	129	129	.452	58	.461	59
173	3390	-	129	129	.452	59	.461	60
174	3390	-	129	129	.452	58	.461	59

*Estimated units under construction as of June 1970.

TABLE 4 Continued

Traffic Zone	Census Tract	Single Family Units	Multi Family Units	Total Units In Zone	SIC 15 Multiplier	Allocated SIC 15 Employment	SIC 16 Multiplier	Allocated SIC 16 Employment
175	3390	-	129	129	.452	58	.461	60
181	3430	15	-	15	.452	7	.461	7
185	3383	55	-	55	.452	25	.461	25
186	3383	41	129	170	.452	77	.461	78
188	3382	13	-	13	.452	6	.461	6
191	3382	28	-	28	.452	13	.461	13
195	3382	18	-	18	.452	8	.461	8
220	3220	51	-	51	.452	23	.461	24
225	3220	70	-	70	.452	32	.461	32
247	3361	-	129	129	.452	59	.461	59
248	3361	-	129	129	.452	59	.461	60
249	3362	-	129	129	.452	58	.461	59
250	3362	-	129	129	.452	59	.461	60
251	3381	-	129	129	.452	58	.461	59
253	3381	-	129	129	.452	58	.461	60
254	3372	-	129	129	.452	59	.461	59
255	3372	-	129	129	.452	58	.461	60
256	3372	-	129	129	.452	58	.461	59
257	3372	-	129	129	.452	59	.461	60
263	3350	-	129	129	.452	58	.461	59
264	3350	-	129	129	.452	58	.461	60
267	3310	12	-	12	.452	5	.461	6
268	3310	24	-	24	.452	11	.461	11
269	3310	14	-	14	.452	6	.461	7
276	3340	-	129	129	.452	59	.461	59
281	3331	114	-	114	.452	52	.461	53
292	3553	13	-	13	.452	6	.461	6
293	3553	198	-	198	.452	89	.461	91
307	3080	-	129	129	.452	59	.461	60
308	3071	84	-	84	.452	38	.461	39
317	3072	43	-	43	.452	19	.461	20
319	3072	55	-	55	.452	25	.461	25
320	3072	107	-	107	.452	48	.461	49

TABLE 4 Continued

Traffic Zone	Census Tract	Single Family Units	Multi Family Units	Total Units In Zone	SIC 15 Multiplier	Allocated SIC 15 Employment	SIC 16 Multiplier	Allocated SIC 16 Employment
321	3131	197	-	197	.452	89	.461	91
322	3131	67	-	67	.452	30	.461	31
342	3142	38	-	38	.452	17	.461	18
355	3200	28	-	28	.452	13	.461	13
357	3211	117	-	117	.452	53	.461	54
358	3211	22	-	22	.452	10	.461	10
409	3592	98	-	98	.452	44	.461	45
421	3640	70	-	70	.452	32	.461	32
424	3630	-	129	129	.452	59	.461	59
425	3630	35	129	164	.452	74	.461	76
426	3630	-	129	129	.452	58	.461	59
433	3601	106	-	106	.452	48	.461	49
502	3810	-	129	129	.452	58	.461	60
505	3810	-	129	129	.452	59	.461	59
TOTALS	-	3,011	3,740	6,751	.452	3,053	.461	3,115

Source: Contra Costa County Land Use and Transportation Study

STATISTICAL APPENDIX

In addition to the previous tabulations by SIC Code tables showing employment and establishment counts by Census Tract, tabulations by LUTS Statistical Area and a total for the County have been prepared. These following tables have been edited in order to assure that the disclosure and confidentiality agreement with the California Department of Human Resources Development has not been broken. This agreement maintains that:

1. At least three firms must be a part of any total figure used either by census tract, SIC code, or other breakdown, including county.
2. If any one employer in any category, i.e., SIC code, county, SIC within county, census tract, SIC within census tract, etc., represents more than 80% of employment within that category, data cannot be shown. Should this occur, data in such categories must be combined with one or more other categories to protect the confidentiality of the information.

Due to this agreement any business firm or agency requiring more detailed information will have to contact the Chief Area Manpower Analyst with the California Department of Human Resources Development in the Franklin Street building in San Francisco.

STANDARD INDUSTRIAL CLASSIFICATION CODING AS USED IN THE LUTS EMPLOYMENT INVENTORY

<u>Code Number</u>	<u>Description</u>	<u>Code Number</u>	<u>Description</u>
01	Agricultural production	49	Electric, gas, and sanitary services
07	Agricultural services	50	Wholesale trade
09	Fisheries	52	Building materials, hardware, and farm equipment dealers
13	Crude petroleum and natural gas	53	Retail trade - general merchandise
14	Mining and quarrying of non-metallic minerals, except fuels	54	Food stores
15	Building construction - general contractors	55	Automotive dealers and gasoline service stations
16	Heavy construction	56	Apparel and accessory stores
17	Construction - special trade contractors	57	Furniture, home furnishings, and equipment stores
19	Ordnance	58	Eating and drinking places
20	Food and kindred products	59	Miscellaneous retail stores
23	Apparel and other fabric products	60	Banking
24	Lumber and wood products	61	Credit agencies other than banks
25	Furniture and fixtures	62	Security and commodity brokers, dealers, exchanges, and services
26	Paper and allied products	63	Insurance carriers
27	Printing, publishing, and allied industries	64	Insurance agents, brokers, and service
28	Chemicals and allied products	65	Real estate
29	Petroleum refining	66	Combinations of real estate, insurance, loans, law offices
30	Rubber and miscellaneous plastic products	67	Holding and other investment companies
31	Leather products	70	Hotels, rooming houses, camps and other lodging places
32	Stone, clay, glass, and concrete products	72	Personal services
33	Primary metal industries	73	Miscellaneous business services
34	Fabricated metal products	75	Automobile repair, services, and garages
35	Machinery, except electrical	76	Miscellaneous repair services
36	Electrical machinery, equipment, and supplies	78	Motion pictures
37	Transportation equipment	79	Amusement and recreation services
38	Professional, scientific, and controlling instruments; photographic and optical goods; watches and clocks	80	Medical and other health services
39	Miscellaneous manufacturing	81	Legal services
40	Railroad transportation	82	Educational services
41	Local and suburban transit and interurban passenger transportation	86	Nonprofit membership organizations
42	Motor freight transportation and warehousing	88	Private households
44	Water transportation	89	Miscellaneous services
45	Transportation by air	91	Federal government
46	Pipe line transportation	92	State government
47	Transportation services	93	Local government
48	Communication	96	Public education
		99	Nonclassifiable establishments

Source: 1967 Standard Industrial Classification Manual, U. S. Bureau of the Budget

LUTS Traffic Zone Employment Data

LUTS Traffic Zone	Establish- ments	Employ- ment	LUTS Traffic Zone	Establish- ments	Employ- ment	LUTS Traffic Zone	Establish- ments	Employ- ment
1	*	*	90	42	90	179	125	344
2	*	*	91	253	1363	180	*	*
3	4	4	92	112	397	181	62	142
4	120	335	93	0	0	182	*	*
5	7	30	94	19	84	183	29	68
6	34	69	95	45	753	184	15	22
7	*	*	96	*	*	185	29	121
8	160	653	97	0	0	186	90	579
9	*	*	98	0	0	187	*	*
10	9	10	99	0	0	188	*	*
11	70	340	100	62	237	189	45	86
12	25	66	101	*	*	190	4	15
13	*	*	102	4	40	191	*	*
14	174	274	103	14	96	192	26	407
15	158	988	104	*	*	193	14	97
16	*	*	105	100	492	194	23	116
17	*	*	106	15	20	195	16	37
18	61	320	107	86	211	196	0	0
19	27	260	108	32	196	197	20	48
20	*	*	109	18	116	198	35	217
21	*	*	110	22	160	199	99	968
22	*	*	111	0	0	200	8	9
23	58	275	112	*	*	201	95	302
24	*	*	113	0	0	202	173	1319
25	6	43	114	47	71	203	*	*
26	*	*	115	30	38	204	78	205
27	7	16	116	36	99	205	59	644
28	*	*	117	110	385	206	66	136
29	*	*	118	45	66	207	53	349
30	3	3	119	17	23	208	27	39
31	6	7	120	60	143	209	*	*
32	0	0	121	0	0	210	47	87
33	4	8	122	0	0	211	4	4
34	9	24	123	28	49	212	23	29
35	*	*	124	*	*	213	12	20
36	0	0	125	7	7	214	44	61
37	*	*	126	87	137	215	8	8
38	24	24	127	37	49	216	0	0
39	*	*	128	60	97	217	*	*
40	*	*	129	24	28	218	*	*
41	*	*	130	241	812	219	*	*
42	7	7	131	26	259	220	33	154
43	*	*	132	19	35	221	*	*
44	*	*	133	32	33	222	48	104
45	6	12	134	*	*	223	39	101
46	0	0	135	53	99	224	12	297
47	*	*	136	49	92	225	*	*
48	72	673	137	51	85	226	119	973
49	11	37	138	8	25	227	*	*
50	18	152	139	*	*	228	48	295
51	6	101	140	16	22	229	16	413
52	0	0	141	17	114	230	149	2337
53	0	0	142	46	92	231	52	545
54	0	0	143	259	1178	232	29	322
55	0	0	144	316	1432	233	12	499
56	*	*	145	19	24	234	*	*
57	0	0	146	52	225	235	33	147
58	0	0	147	12	15	236	16	100
59	6	67	148	14	18	237	51	80
60	30	289	149	32	62	238	122	1122
61	*	*	150	21	33	239	*	*
62	*	*	151	86	215	240	22	32
63	*	*	152	60	482	241	*	*
64	0	0	153	*	*	242	*	*
65	*	*	154	0	0	243	44	469
66	83	373	155	9	126	244	334	2211
67	10	15	156	21	163	245	64	407
68	10	18	157	29	92	246	127	1152
69	*	*	158	7	8	247	97	469
70	27	40	159	30	44	248	47	387
71	27	77	160	39	98	249	48	232
72	*	*	161	27	87	250	151	645
73	*	*	162	66	713	251	92	369
74	*	*	163	43	75	252	12	15
75	0	0	164	101	588	253	63	304
76	24	118	165	20	66	254	32	434
77	19	28	166	46	174	255	152	1703
78	33	95	167	73	153	256	*	*
79	8	16	168	59	175	257	33	166
80	23	138	169	312	1547	258	22	85
81	9	12	170	46	305	259	29	119
82	8	16	171	119	915	260	8	10
83	47	153	172	314	2844	261	12	14
84	6	6	173	362	2319	262	*	*
85	0	0	174	203	2153	263	80	316
86	10	13	175	122	547	264	79	406
87	54	231	176	35	74	265	50	194
88	18	41	177	*	*	266	*	*
89	*	*	178	69	113	267	14	114

LUTS Traffic Zone	Establish- ments	Employ- ment	LUTS Traffic Zone	Establish- ments	Employ- ment	LUTS Traffic Zone	Establish- ments	Employ- ment
268	74	228	357	31	215	446	57	94
269	41	92	358	*	*	447	28	92
270	22	40	359	9	46	448	45	77
271	83	408	360	23	57	449	16	38
272	33	207	361	*	*	450	30	176
273	26	175	362	*	*	451	161	1182
274	49	124	363	11	21	452	46	231
275	67	369	364	6	14	453	53	308
276	67	294	365	36	70	454	102	331
277	71	361	366	*	*	455	110	386
278	3	3	367	28	162	456	32	78
279	33	238	368	*	*	457	24	38
280	37	57	369	*	*	458	52	97
281	49	201	370	37	97	459	8	19
282	29	48	371	39	100	460	66	452
283	37	90	372	24	224	461	171	1070
284	3	38	373	29	241	462	15	47
285	0	0	374	*	*	463	25	87
286	0	0	375	282	2908	464	45	97
287	0	0	376	*	*	465	24	61
288	0	0	377	*	*	466	32	78
289	*	*	378	0	0	467	*	*
290	*	*	379	0	0	468	0	0
291	35	135	380	11	14	469	20	34
292	73	352	381	42	957	470	105	474
293	102	508	382	71	368	471	96	295
294	*	*	383	*	*	472	51	173
295	*	*	384	5	20	473	86	289
296	7	11	385	6	10	474	130	1042
297	*	*	386	13	22	475	31	83
298	4	4	387	*	*	476	71	394
299	3	5	388	16	38	477	13	185
300	20	50	389	*	*	478	74	195
301	*	*	390	0	0	479	71	536
302	37	1019	391	10	16	480	31	60
303	67	191	392	*	*	481	*	*
304	195	757	393	*	*	482	118	1418
305	*	*	394	0	0	483	25	110
306	*	*	395	*	*	484	87	1204
307	70	331	396	*	*	485	45	178
308	42	205	397	*	*	486	*	*
309	26	83	398	44	99	487	33	125
310	*	*	399	40	153	488	86	625
311	96	555	400	76	244	489	56	241
312	53	207	401	*	*	490	87	386
313	250	2419	402	*	*	491	121	375
314	26	249	403	*	*	492	88	275
315	*	*	404	*	*	493	28	59
316	0	0	405	134	411	494	77	376
317	7	76	406	*	*	495	65	299
318	63	526	407	0	0	496	36	398
319	20	102	408	16	28	497	76	301
320	*	*	409	20	131	498	241	2429
321	23	237	410	38	66	499	46	422
322	65	325	411	0	0	500	71	501
323	39	256	412	0	0	501	65	589
324	0	0	413	0	0	502	45	347
325	8	122	414	*	*	503	122	1348
326	33	394	415	*	*	504	91	1495
327	*	*	416	23	33	505	46	395
328	0	0	417	86	343	506	*	*
329	20	436	418	31	480	507	20	39
330	207	901	419	13	64	508	14	177
331	*	*	420	76	228	509	*	*
332	*	*	421	35	138	510	16	701
333	188	1167	422	49	165	511	39	2500
334	*	*	423	60	175	512	*	*
335	21	67	424	*	*	513	31	436
336	3	131	425	19	169	514	76	1020
337	93	337	426	72	326	515	16	401
338	*	*	427	64	219	516	31	522
339	*	*	428	37	54	517	*	*
340	*	*	429	22	254	518	51	708
341	143	565	430	43	160	519	13	969
342	63	373	431	*	*	520	17	3951
343	*	*	432	0	0	521	*	*
344	*	*	433	48	193	522	*	*
345	*	*	434	40	132	523	29	94
346	*	*	435	32	184	524	*	*
347	0	0	436	46	114	525	84	733
348	*	*	437	47	113	526	*	*
349	*	*	438	66	256	527	23	782
350	*	*	439	36	115	528	4	43
351	32	52	440	6	8	529	*	*
352	22	81	441	*	*	530	0	0
353	45	171	442	*	*	531	*	*
354	22	196	443	11	24	532	*	*
355	6	33	444	0	0	533	4	49
356	40	61	445	*	*			
						Total	21,173	147,615

Source: Contra Costa County Planning Department

LUTS Census Tract Employment Data (Establishments)

ESTABLISHMENT CLASSIFICATION	3010	3020	3031	3032	3040	3050	3060	3071	3072	3080	3090	3100	3110
TOTAL	169	316	378	136	130	440	298	81	96	75	240	190	82
AGRICULTURE	9	55	53	49	39	3	9	0	0	*	0	*	0
MINERAL EXTRACTION	*	0	0	*	0	0	*	0	0	0	0	0	0
CONSTRUCTION	6	12	9	*	*	9	16	7	15	10	5	14	3
MANUFACTURING	4	8	3	*	3	22	10	*	*	0	15	6	*
TRANSPORTATION/COMMUNICATION/UTILITIES	6	11	4	4	4	24	11	*	5	*	15	10	3
WHOLESALE TRADE	*	4	6	4	6	7	4	*	0	*	7	9	*
RETAIL TRADE	19	36	64	3	12	129	62	10	24	12	90	38	11
FINANCE/INSURANCE/REAL ESTATE	*	36	10	*	0	34	24	4	3	*	19	13	*
SERVICES	101	160	203	54	48	182	132	41	33	35	76	87	37
GOVERNMENT AND PUBLIC EDUCATION	*	13	11	4	5	9	*	3	*	*	3	4	16
NONCLASSIFIABLE ESTABLISHMENT	18	15	15	11	11	21	26	10	13	11	10	8	8
TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AGRICULTURE	5.3	17.4	14.0	36.0	30.0	0.7	3.0	0.0	0.0	*	0.0	*	0.0
MINERAL EXTRACTION	*	0.0	0.0	*	0.0	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0
CONSTRUCTION	3.6	3.8	2.4	*	*	2.0	5.4	8.6	15.6	13.3	2.1	7.4	3.7
MANUFACTURING	2.4	2.5	0.8	*	2.3	5.0	3.4	*	*	0.0	6.3	3.2	*
TRANSPORTATION/COMMUNICATION/UTILITIES	3.6	3.5	1.1	2.9	3.1	5.5	3.7	*	5.2	*	6.3	5.3	3.7
WHOLESALE TRADE	*	1.3	1.6	2.9	4.6	1.6	1.3	*	0.0	*	2.9	4.7	*
RETAIL TRADE	11.2	11.4	16.9	2.2	9.2	29.3	20.8	12.3	25.0	16.0	37.5	20.0	13.4
FINANCE/INSURANCE/REAL ESTATE	*	*	2.6	*	0.0	7.7	8.1	4.9	3.1	*	7.9	6.8	*
SERVICES	59.8	50.6	53.7	39.7	36.9	41.4	44.3	50.6	34.4	46.7	31.7	45.8	45.1
GOVERNMENT AND PUBLIC EDUCATION	*	4.1	2.9	2.9	3.8	2.0	4.3	3.7	*	*	1.3	2.1	19.5
NONCLASSIFIABLE ESTABLISHMENT	10.7	4.7	4.0	8.1	8.5	4.8	8.7	12.3	13.5	14.7	4.2	4.2	9.8

ESTABLISHMENT CLASSIFICATION	3120	3131	3132	3141	3142	3150	3160	3170	3180	3190	3200	3211	3212
TOTAL	42	127	97	158	73	109	292	56	135	125	193	164	119
AGRICULTURE	0	*	*	*	*	4	0	0	*	0	3	3	3
MINERAL EXTRACTION	0	0	0	0	0	*	0	0	0	0	0	0	0
CONSTRUCTION	*	24	*	7	*	9	12	0	7	9	9	18	3
MANUFACTURING	*	15	0	9	3	15	11	*	3	*	14	*	6
TRANSPORTATION/COMMUNICATION/UTILITIES	*	6	3	6	*	10	13	0	3	15	12	7	6
WHOLESALE TRADE	*	*	0	*	*	4	*	0	3	3	4	*	7
RETAIL TRADE	6	18	19	40	8	8	60	9	23	16	23	6	33
FINANCE/INSURANCE/REAL ESTATE	5	5	8	*	4	8	25	5	6	*	0	7	3
SERVICES	23	37	52	65	43	41	123	33	73	55	93	75	39
GOVERNMENT AND PUBLIC EDUCATION	3	4	*	4	4	4	40	7	7	4	12	10	3
NONCLASSIFIABLE ESTABLISHMENT	*	15	10	23	5	5	6	0	11	19	23	36	16
TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AGRICULTURE	0.0	*	*	*	*	3.7	0.0	0.0	*	0.0	1.6	1.8	2.5
MINERAL EXTRACTION	0.0	0.0	0.0	0.0	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CONSTRUCTION	*	18.9	*	4.4	*	8.3	4.1	0.0	5.2	7.2	4.7	11.0	2.5
MANUFACTURING	*	11.8	0.0	5.7	4.1	13.8	3.8	*	2.2	*	7.3	*	5.0
TRANSPORTATION/COMMUNICATION/UTILITIES	*	4.7	3.1	3.8	*	9.2	4.5	0.0	2.2	12.0	6.2	4.3	5.0
WHOLESALE TRADE	*	*	0.0	*	*	3.7	*	0.0	*	2.4	2.1	*	5.9
RETAIL TRADE	14.3	14.2	19.6	25.3	11.0	7.3	20.5	16.1	17.0	12.8	11.9	3.7	27.7
FINANCE/INSURANCE/REAL ESTATE	*	3.9	8.2	*	5.5	7.3	8.6	8.9	4.4	*	0.0	4.3	2.5
SERVICES	54.8	29.1	53.6	41.1	58.9	37.6	42.1	58.9	54.1	44.0	48.2	45.7	32.8
GOVERNMENT AND PUBLIC EDUCATION	7.1	3.1	*	2.5	5.5	3.7	13.7	12.5	5.2	3.2	6.2	6.1	2.5
NONCLASSIFIABLE ESTABLISHMENT	*	11.8	10.3	14.6	6.8	4.6	2.1	0.0	8.1	15.2	11.9	22.0	13.4

ESTABLISHMENT CLASSIFICATION		3220	3230	3240	3250	3260	3270	3280	3290	3300	3310	3320	3331	3332
TOTAL		157	94	410	180	96	389	524	182	126	237	143	151	116
AGRICULTURE		*	*	3	*	*	*	*	*	*	*	*	*	*
MINERAL EXTRACTION		0	0	0	0	0	*	*	0	0	0	0	0	0
CONSTRUCTION		14	3	14	9	*	19	12	7	5	17	9	26	7
MANUFACTURING		*	0	17	5	*	18	17	0	0	3	4	*	*
TRANSPORTATION/COMMUNICATION/UTILITIES		0	0	3	5	0	19	11	0	*	*	*	6	0
WHOLESALE TRADE		*	0	10	6	*	30	16	0	*	3	*	*	3
RETAIL TRADE		17	4	88	21	5	141	143	17	*	40	8	6	20
FINANCE/INSURANCE/REAL ESTATE		12	0	34	*	*	6	73	4	0	18	5	3	*
SERVICES		82	60	183	86	56	124	226	116	78	128	75	74	54
GOVERNMENT AND PUBLIC EDUCATION		6	5	16	9	*	14	13	5	10	4	7	*	4
NONCLASSIFIABLE ESTABLISHMENT		21	21	42	36	26	16	11	32	27	21	31	27	23
TOTAL		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AGRICULTURE		*	*	0.7	*	*	*	*	*	*	*	*	2.0	*
MINERAL EXTRACTION		0.0	0.0	0.0	0.0	0.0	*	*	0.0	0.0	0.0	0.0	0.0	0.0
CONSTRUCTION		8.9	3.2	3.4	5.0	*	4.9	2.3	3.8	4.0	7.2	6.3	17.2	6.0
MANUFACTURING		*	0.0	4.1	2.8	*	4.6	3.2	0.0	0.0	1.3	2.8	*	*
TRANSPORTATION/COMMUNICATION/UTILITIES		0.0	0.0	0.7	2.8	0.0	4.9	2.1	0.0	*	*	*	4.0	0.0
WHOLESALE TRADE		*	0.0	2.4	3.3	*	7.7	3.1	0.0	*	1.3	*	*	2.6
RETAIL TRADE		10.8	4.3	21.5	11.7	5.2	36.2	27.3	9.3	*	16.9	5.6	4.0	17.2
FINANCE/INSURANCE/REAL ESTATE		7.6	0.0	8.3	*	*	1.5	13.9	2.2	0.0	7.6	3.5	2.0	*
SERVICES		52.2	63.8	44.6	47.8	58.3	31.9	43.1	63.7	61.9	54.0	52.4	49.0	46.6
GOVERNMENT AND PUBLIC EDUCATION		3.8	5.3	3.9	5.0	*	3.6	2.5	2.7	7.9	1.7	4.9	1.3	3.4
NONCLASSIFIABLE ESTABLISHMENT		13.4	22.3	10.2	20.0	27.1	4.1	2.1	17.6	21.4	8.9	21.7	17.9	19.8

ESTABLISHMENT CLASSIFICATION		3340	3350	3361	3362	3371	3372	3373	3381	3382	3383	3390	3400	3410
TOTAL		174	160	144	199	35	260	59	167	190	225	1167	510	211
AGRICULTURE		3	0	*	5	*	6	*	3	4	*	5	10	*
MINERAL EXTRACTION		0	0	0	0	0	0	0	0	0	0	*	*	0
CONSTRUCTION		18	23	32	39	5	57	*	34	13	20	68	40	12
MANUFACTURING		3	3	0	*	0	36	0	*	*	0	18	14	7
TRANSPORTATION/COMMUNICATION/UTILITIES		0	5	5	9	*	6	0	0	0	*	26	11	3
WHOLESALE TRADE		4	*	3	3	0	19	*	3	0	*	27	14	6
RETAIL TRADE		32	23	32	38	*	21	4	18	13	25	296	71	17
FINANCE/INSURANCE/REAL ESTATE		7	9	14	8	*	6	3	5	8	9	186	18	14
SERVICES		76	79	42	81	19	85	35	67	106	124	476	244	106
GOVERNMENT AND PUBLIC EDUCATION		*	4	*	*	0	*	*	*	9	4	19	13	5
NONCLASSIFIABLE ESTABLISHMENT		29	13	13	13	3	23	10	34	36	39	45	73	40
TOTAL		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AGRICULTURE		1.7	0.0	*	2.5	*	2.3	*	1.8	2.1	*	0.4	2.0	*
MINERAL EXTRACTION		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*	*	0.0
CONSTRUCTION		10.3	14.4	22.2	19.6	14.3	21.9	*	20.4	6.8	8.9	5.8	7.8	5.7
MANUFACTURING		1.7	1.9	0.0	*	0.0	13.8	0.0	*	*	0.0	1.5	2.7	3.3
TRANSPORTATION/COMMUNICATION/UTILITIES		0.0	3.1	3.5	4.5	*	2.3	0.0	0.0	0.0	*	2.2	2.2	1.4
WHOLESALE TRADE		2.3	*	2.1	1.5	0.0	7.3	*	1.8	0.0	*	2.3	2.7	2.8
RETAIL TRADE		18.4	14.4	22.2	19.1	*	8.1	6.8	10.8	6.8	11.1	25.4	13.9	8.1
FINANCE/INSURANCE/REAL ESTATE		4.0	5.6	9.7	4.0	*	2.3	5.1	3.0	4.2	4.0	15.9	3.5	6.6
SERVICES		43.7	49.4	29.2	40.7	54.3	32.7	59.3	40.1	55.8	55.1	40.8	47.8	50.2
GOVERNMENT AND PUBLIC EDUCATION		*	2.5	*	*	0.0	*	*	*	4.7	1.8	1.6	2.5	2.4
NONCLASSIFIABLE ESTABLISHMENT		16.7	8.1	9.0	6.5	8.6	8.8	16.9	20.4	18.9	17.3	3.9	14.3	19.0

ESTABLISHMENT CLASSIFICATION	3420	3430	3440	3451	3452	3461	3462	3470	3480	3490	3500	3511	3512
TOTAL	132	333	136	164	570	112	176	115	217	413	362	93	139
AGRICULTURE	*	0	*	8	11	3	6	*	3	5	*	0	*
MINERAL EXTRACTION	0	0	0	0	0	*	0	0	0	0	0	0	0
CONSTRUCTION	7	32	7	35	44	8	12	*	8	34	16	14	7
MANUFACTURING	*	*	0	*	17	*	0	0	*	13	11	0	*
TRANSPORTATION/COMMUNICATION/UTILITIES	*	6	0	*	9	*	0	0	0	4	7	0	*
WHOLESALE TRADE	7	8	*	4	9	*	3	0	*	13	12	3	*
RETAIL TRADE	8	7	34	26	97	4	10	4	3	66	78	12	4
FINANCE/INSURANCE/REAL ESTATE	*	12	5	4	26	5	0	5	5	26	29	9	0
SERVICES	74	198	61	49	275	67	90	82	157	214	180	36	76
GOVERNMENT AND PUBLIC EDUCATION	*	3	*	4	11	*	10	0	6	7	3	4	5
NONCLASSIFIABLE ESTABLISHMENT	27	65	23	31	71	19	45	18	31	31	24	15	42
TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AGRICULTURE	*	0.0	*	4.9	1.9	2.7	3.4	*	1.4	1.2	*	0.0	*
MINERAL EXTRACTION	0.0	0.0	0.0	0.0	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CONSTRUCTION	5.3	9.6	5.1	21.3	7.7	7.1	6.8	0.0	3.7	8.2	4.4	15.1	5.0
MANUFACTURING	*	*	0.0	*	3.0	*	0.0	0.0	*	3.1	3.0	0.0	*
TRANSPORTATION/COMMUNICATION/UTILITIES	*	1.8	0.0	*	1.6	*	0.0	*	0.0	1.0	1.9	0.0	*
WHOLESALE TRADE	5.3	2.4	*	2.4	1.6	*	1.7	0.0	*	3.1	3.3	3.2	*
RETAIL TRADE	6.1	2.1	25.0	15.9	17.0	3.6	5.7	3.5	1.4	16.0	21.5	12.9	2.9
FINANCE/INSURANCE/REAL ESTATE	*	3.6	3.7	2.4	4.6	4.5	0.0	4.3	2.3	6.3	8.0	9.7	0.0
SERVICES	56.1	59.5	44.9	29.9	48.2	59.8	51.1	71.3	72.4	51.8	49.7	38.7	54.7
GOVERNMENT AND PUBLIC EDUCATION	*	0.9	*	2.4	1.9	0.9	5.7	0.0	2.8	1.7	0.8	4.3	3.6
NONCLASSIFIABLE ESTABLISHMENT	20.5	19.5	16.9	18.9	12.5	17.0	25.6	15.7	14.3	7.5	6.6	16.1	30.2

ESTABLISHMENT CLASSIFICATION	3521	3522	3530	3540	3551	3552	3553	3560	3570	3580	3591	3592	3601
TOTAL	84	278	345	532	79	7	255	72	170	150	240	76	193
AGRICULTURE	3	*	*	*	10	0	11	9	0	0	*	0	5
MINERAL EXTRACTION	0	0	0	0	0	0	*	0	0	0	0	0	0
CONSTRUCTION	10	16	*	9	0	*	29	5	*	7	16	7	13
MANUFACTURING	*	*	0	9	0	0	*	*	5	4	*	0	*
TRANSPORTATION/COMMUNICATION/UTILITIES	0	3	4	4	*	0	7	*	3	5	*	4	4
WHOLESALE TRADE	*	3	4	20	*	0	0	*	*	*	8	*	*
RETAIL TRADE	3	47	30	42	*	0	22	*	42	36	47	7	28
FINANCE/INSURANCE/REAL ESTATE	4	21	24	27	0	0	5	0	*	5	15	*	5
SERVICES	38	124	217	338	57	*	124	36	51	73	114	26	85
GOVERNMENT AND PUBLIC EDUCATION	4	15	3	9	*	*	9	4	8	9	7	0	7
NONCLASSIFIABLE ESTABLISHMENT	19	47	60	73	5	*	45	13	55	10	29	29	44
TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AGRICULTURE	3.6	*	*	*	12.7	0.0	4.3	12.5	0.0	0.0	*	0.0	2.6
MINERAL EXTRACTION	0.0	0.0	0.0	0.0	0.0	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0
CONSTRUCTION	11.9	5.8	*	1.7	0.0	*	11.4	6.9	*	4.7	6.7	9.2	6.7
MANUFACTURING	*	*	0.0	1.7	0.0	0.0	0.4	*	2.9	2.7	*	0.0	*
TRANSPORTATION/COMMUNICATION/UTILITIES	0.0	1.1	1.2	0.8	*	0.0	0.0	*	1.8	3.3	*	5.3	2.1
WHOLESALE TRADE	*	1.1	1.2	3.8	*	0.0	0.0	*	*	*	3.3	*	*
RETAIL TRADE	3.6	16.9	8.7	7.9	*	0.0	8.6	*	24.7	24.0	19.6	9.2	14.5
FINANCE/INSURANCE/REAL ESTATE	4.8	7.6	7.0	5.1	0.0	0.0	2.0	0.0	*	3.3	6.3	*	2.6
SERVICES	45.2	44.6	62.9	63.5	72.2	*	48.6	50.0	30.0	48.7	47.5	34.2	44.0
GOVERNMENT AND PUBLIC EDUCATION	4.8	5.4	0.9	1.7	2.5	*	3.5	5.6	4.7	6.0	2.9	0.0	3.6
NONCLASSIFIABLE ESTABLISHMENT	22.6	16.9	17.4	13.7	6.3	*	17.6	18.1	32.4	6.7	12.1	38.2	22.8

ESTABLISHMENT CLASSIFICATION	3602	3610	3620	3630	3640	3650	3660	3671	3672	3680	3690	3700	3710
TOTAL	127	121	71	198	143	213	142	74	132	208	277	125	234
AGRICULTURE	4	*	0	3	*	10	3	0	0	*	*	0	*
MINERAL EXTRACTION	0	0	0	0	0	0	0	0	0	0	0	0	0
CONSTRUCTION	14	5	5	33	9	5	3	*	3	10	3	*	10
MANUFACTURING	3	0	*	*	*	43	*	0	0	4	3	*	6
TRANSPORTATION/COMMUNICATION/UTILITIES	0	0	*	4	5	8	3	0	0	*	3	3	5
WHOLESALE TRADE	*	3	*	*	*	11	*	*	*	7	6	*	6
RETAIL TRADE	10	21	3	26	18	31	27	10	53	65	71	28	36
FINANCE/INSURANCE/REAL ESTATE	*	*	0	5	0	4	*	0	17	4	11	6	35
SERVICES	53	69	34	82	59	45	73	34	43	89	134	53	108
GOVERNMENT AND PUBLIC EDUCATION	8	*	4	6	4	9	5	7	4	5	7	4	6
NONCLASSIFIABLE ESTABLISHMENT	31	19	21	37	44	47	23	18	10	21	37	26	21
TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AGRICULTURE	3.1	*	0.0	1.5	*	4.7	2.1	0.0	0.0	*	*	0.0	*
MINERAL EXTRACTION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CONSTRUCTION	11.0	4.1	7.0	16.7	6.3	2.3	2.1	*	2.3	4.8	1.1	*	4.3
MANUFACTURING	2.4	0.0	*	*	*	20.2	*	0.0	0.0	1.9	1.1	*	2.6
TRANSPORTATION/COMMUNICATION/UTILITIES	0.0	0.0	*	2.0	3.5	3.8	2.1	*	0.0	*	1.1	2.4	2.1
WHOLESALE TRADE	*	2.5	*	*	*	5.2	*	*	*	3.4	2.2	*	2.6
RETAIL TRADE	7.9	17.4	4.2	13.1	12.6	14.6	19.0	13.5	40.2	31.3	25.6	22.4	15.4
FINANCE/INSURANCE/REAL ESTATE	*	*	0.0	2.5	0.0	1.9	*	0.0	12.9	1.9	4.0	4.8	15.0
SERVICES	41.7	57.0	47.9	41.4	41.3	21.1	51.4	45.9	32.6	42.8	48.4	42.4	46.2
GOVERNMENT AND PUBLIC EDUCATION	6.3	1.7	5.6	3.0	2.8	4.2	3.5	9.5	3.0	2.4	2.5	3.2	2.6
NONCLASSIFIABLE ESTABLISHMENT	24.4	15.7	29.6	18.7	30.8	22.1	16.2	24.3	7.6	10.1	13.4	20.8	9.0

ESTABLISHMENT CLASSIFICATION	3720	3730	3740	3750	3760	3770	3780	3790	3800	3810	3820	3830	3840
TOTAL	158	88	161	105	101	318	229	182	247	305	62	154	69
AGRICULTURE	0	0	0	0	*	*	3	0	*	3	0	*	0
MINERAL EXTRACTION	0	0	0	0	*	0	*	0	0	0	0	0	0
CONSTRUCTION	9	7	*	0	3	15	9	24	35	20	5	7	*
MANUFACTURING	3	*	3	0	6	9	32	24	54	5	*	*	0
TRANSPORTATION/COMMUNICATION/UTILITIES	*	3	0	3	*	11	17	5	20	6	*	10	0
WHOLESALE TRADE	*	*	7	4	8	7	20	8	24	*	*	4	3
RETAIL TRADE	32	21	29	28	13	95	41	35	43	54	7	34	*
FINANCE/INSURANCE/REAL ESTATE	*	4	23	8	*	18	*	4	0	15	0	0	0
SERVICES	71	38	83	49	44	135	61	55	51	164	25	60	45
GOVERNMENT AND PUBLIC EDUCATION	3	*	4	7	15	12	13	12	6	21	6	7	*
NONCLASSIFIABLE ESTABLISHMENT	34	11	10	3	6	15	29	15	13	15	13	29	16
TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AGRICULTURE	0.0	0.0	0.0	0.0	*	*	1.3	0.0	*	1.0	0.0	*	0.0
MINERAL EXTRACTION	0.0	0.0	0.0	0.0	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0
CONSTRUCTION	5.7	8.0	*	0.0	3.0	4.7	3.9	13.2	14.2	6.6	8.1	4.5	*
MANUFACTURING	1.9	*	1.9	2.9	5.9	2.8	14.0	13.2	21.9	1.6	*	*	0.0
TRANSPORTATION/COMMUNICATION/UTILITIES	*	3.4	0.0	2.9	*	3.5	7.4	2.7	8.1	2.0	*	6.5	0.0
WHOLESALE TRADE	*	*	4.3	3.8	7.9	2.2	8.7	4.4	9.7	*	*	2.6	4.3
RETAIL TRADE	20.3	23.9	18.0	26.7	12.9	29.9	17.9	19.2	17.4	17.7	11.3	22.1	*
FINANCE/INSURANCE/REAL ESTATE	*	4.5	14.3	7.6	*	5.7	*	2.2	0.0	4.9	0.0	0.0	0.0
SERVICES	44.9	43.2	51.6	46.7	43.6	42.5	26.6	30.2	20.6	53.8	40.3	39.0	65.2
GOVERNMENT AND PUBLIC EDUCATION	1.9	*	2.5	6.7	14.9	3.8	5.7	6.6	2.4	6.9	9.7	4.5	*
NONCLASSIFIABLE ESTABLISHMENT	21.5	12.5	6.2	2.9	5.9	4.7	12.7	8.2	5.3	4.9	21.0	18.8	23.2

ESTABLISHMENT CLASSIFICATION	3851	3852	3860	3870	3880	3891	3892	3901	3902	3910	3920
TOTAL	60	25	187	67	110	161	46	56	46	73	60
AGRICULTURE	*	*	4	0	0	0	*	*	0	0	0
MINERAL EXTRACTION	0	0	0	0	0	0	0	0	0	0	0
CONSTRUCTION	*	3	10	9	5	*	*	9	*	3	0
MANUFACTURING	0	0	14	0	*	*	3	*	0	0	*
TRANSPORTATION/COMMUNICATION/UTILITIES	0	0	*	3	0	0	0	0	0	0	0
WHOLESALE TRADE	*	0	*	0	4	*	*	0	0	*	4
RETAIL TRADE	3	*	58	14	19	58	21	0	5	*	9
FINANCE/INSURANCE/REAL ESTATE	4	0	12	5	15	10	*	0	*	4	*
SERVICES	28	14	73	22	52	78	10	29	28	35	24
GOVERNMENT AND PUBLIC EDUCATION	*	0	*	4	*	*	0	*	*	3	1
NONCLASSIFIABLE ESTABLISHMENT	19	6	10	10	11	8	6	15	8	24	19
TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AGRICULTURE	*	*	2.1	0.0	0.0	0.0	*	*	0.0	0.0	0.0
MINERAL EXTRACTION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CONSTRUCTION	*	12.0	5.3	13.4	4.5	*	*	16.1	*	4.1	0.0
MANUFACTURING	0.0	0.0	7.5	0.0	*	*	6.5	*	0.0	0.0	0.0
TRANSPORTATION/COMMUNICATION/UTILITIES	0.0	0.0	*	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WHOLESALE TRADE	*	0.0	*	0.0	3.6	0.6	*	0.0	0.0	*	6.7
RETAIL TRADE	5.0	*	31.0	20.9	17.3	36.0	45.7	0.0	10.9	*	15.0
FINANCE/INSURANCE/REAL ESTATE	6.7	0.0	6.4	7.5	13.6	6.2	*	0.0	*	5.5	*
SERVICES	46.7	56.0	39.0	32.8	47.3	48.4	21.7	51.8	60.9	47.9	40.0
GOVERNMENT AND PUBLIC EDUCATION	*	0.0	*	6.0	*	*	0.0	*	*	4.1	1.7
NONCLASSIFIABLE ESTABLISHMENT	31.7	24.0	5.3	14.9	10.0	5.0	13.0	26.8	17.4	32.9	31.7

Source: Contra Costa County Planning Department

LUTS Census Tract Employment Data (Employment)

EMPLOYMENT CLASSIFICATION	3010	3020	3031	3032	3040	3050	3060	3071	3072	3080	3090	3100	3110
TOTAL	447	1667	1603	908	660	4324	1968	416	801	352	5503	1366	777
AGRICULTURE	54	359	693	612	451	10	16	0	0	*	0	*	0
MINERAL EXTRACTION	*	0	0	*	0	0	*	0	0	0	0	0	0
CONSTRUCTION	32	74	32	*	*	40	57	97	200	145	11	101	6
MANUFACTURING	9	492	11	*	5	2032	792	*	*	0	4212	205	*
TRANSPORTATION/COMMUNICATION/UTILITIES	18	223	10	13	17	162	226	*	18	*	406	356	37
WHOLESALE TRADE	*	5	16	121	23	31	13	*	0	*	39	205	*
RETAIL TRADE	85	113	232	5	20	886	310	35	246	70	389	221	32
FINANCE/INSURANCE/REAL ESTATE	*	*	47	*	0	130	104	5	16	*	107	30	*
SERVICES	172	192	268	61	69	537	306	52	229	39	196	175	49
GOVERNMENT AND PUBLIC EDUCATION	*	173	268	40	51	459	*	185	*	*	126	58	536
NONCLASSIFIABLE EMPLOYMENT	31	26	26	20	20	37	46	17	23	20	17	14	14
TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AGRICULTURE	12.1	21.5	43.2	67.4	68.3	0.2	0.8	0.0	0.0	*	0.0	*	0.0
MINERAL EXTRACTION	*	0.0	0.0	*	0.0	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0
CONSTRUCTION	7.2	4.4	2.0	*	*	0.9	2.9	23.3	25.0	41.2	0.2	7.4	0.8
MANUFACTURING	2.0	29.5	*	*	0.8	47.0	40.2	*	*	0.0	76.5	15.0	*
TRANSPORTATION/COMMUNICATION/UTILITIES	4.0	13.4	0.6	1.4	2.6	3.7	11.5	*	2.2	*	7.4	26.1	4.8
WHOLESALE TRADE	*	0.3	1.0	13.3	3.5	0.7	0.7	*	0.0	*	0.7	15.0	*
RETAIL TRADE	19.0	6.8	14.5	0.6	3.0	20.5	15.8	8.4	30.7	19.9	7.1	16.2	4.1
FINANCE/INSURANCE/REAL ESTATE	*	*	2.9	*	0.0	3.0	5.3	1.2	2.0	*	1.9	2.2	*
SERVICES	38.5	11.5	16.7	6.7	10.5	12.4	15.5	12.5	28.6	11.1	3.6	12.8	6.3
GOVERNMENT AND PUBLIC EDUCATION	*	10.4	16.7	4.4	7.7	10.6	*	44.5	*	*	2.3	4.2	69.0
NONCLASSIFIABLE EMPLOYMENT	6.9	1.6	1.6	2.2	3.0	0.9	2.3	4.1	2.9	5.7	0.3	1.0	1.8
EMPLOYMENT CLASSIFICATION	3120	3131	3132	3141	3142	3150	3160	3170	3180	3190	3200	3211	3212
TOTAL	515	819	344	949	604	3262	317	474	1481	435	2174	1459	973
AGRICULTURE	0	*	*	*	*	19	0	0	*	0	3	9	4
MINERAL EXTRACTION	0	0	0	0	0	*	0	0	0	0	0	0	0
CONSTRUCTION	*	278	*	36	*	85	49	0	26	86	47	147	12
MANUFACTURING	*	135	0	568	211	1135	289	*	111	*	1305	*	91
TRANSPORTATION/COMMUNICATION/UTILITIES	*	54	14	19	*	47	229	0	56	50	285	23	132
WHOLESALE TRADE	*	*	0	*	*	20	*	0	11	11	61	*	33
RETAIL TRADE	32	101	108	106	37	26	244	79	198	35	105	37	381
FINANCE/INSURANCE/REAL ESTATE	*	11	24	*	30	32	128	10	12	*	0	18	5
SERVICES	184	67	110	84	66	133	370	137	328	144	103	197	245
GOVERNMENT AND PUBLIC EDUCATION	199	141	*	84	181	1752	1838	245	711	63	225	960	42
NONCLASSIFIABLE EMPLOYMENT	*	26	17	40	9	9	11	0	20	34	40	63	28
TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AGRICULTURE	0.0	*	*	*	*	0.6	0.0	0.0	*	0.0	0.1	0.6	0.4
MINERAL EXTRACTION	0.0	0.0	0.0	0.0	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CONSTRUCTION	*	33.9	*	3.8	*	2.6	1.5	0.0	1.8	19.8	2.2	10.1	1.2
MANUFACTURING	*	16.5	0.0	59.9	34.9	34.8	9.1	*	7.5	*	60.0	*	9.4
TRANSPORTATION/COMMUNICATION/UTILITIES	*	6.6	4.1	2.0	*	1.4	7.2	0.0	3.8	11.5	13.1	1.0	13.6
WHOLESALE TRADE	*	*	0.0	*	*	0.6	*	0.0	*	2.5	2.8	*	3.4
RETAIL TRADE	6.2	12.3	31.4	11.2	6.1	0.8	7.7	16.7	13.4	8.0	4.8	2.5	30.2
FINANCE/INSURANCE/REAL ESTATE	*	1.3	7.0	*	5.0	1.0	4.0	2.1	0.8	*	0.0	1.2	3.5
SERVICES	35.7	8.2	32.0	8.9	10.9	4.1	11.7	28.9	22.1	33.1	4.7	13.5	25.2
GOVERNMENT AND PUBLIC EDUCATION	38.6	17.2	*	8.9	30.0	53.7	58.0	51.7	48.0	14.5	10.3	65.8	4.3
NONCLASSIFIABLE EMPLOYMENT	*	3.2	4.9	4.2	1.5	0.3	0.3	0.0	1.4	7.8	1.8	4.3	2.9

EMPLOYMENT CLASSIFICATION	3420	3430	3440	3451	3452	3461	3462	3470	3480	3490	3500	3511	3512
TOTAL	329	838	430	1442	3225	411	627	205	566	1715	1469	817	309
AGRICULTURE	*	0	*	16	30	16	9	*	13	31	*	0	*
MINERAL EXTRACTION	0	0	0	0	0	*	0	0	0	0	0	0	0
CONSTRUCTION	52	123	13	486	460	110	87	*	29	154	153	156	34
MANUFACTURING	*	*	0	*	325	*	0	0	*	40	93	0	*
TRANSPORTATION/COMMUNICATION/UTILITIES	*	31	0	*	120	*	0	*	0	7	55	0	*
WHOLESALE TRADE	10	33	*	165	28	*	4	0	*	54	44	8	*
RETAIL TRADE	27	27	211	339	535	8	51	14	9	490	521	72	7
FINANCE/INSURANCE/REAL ESTATE	27	21	16	37	122	82	0	36	8	100	147	329	0
SERVICES	110	421	108	166	1087	117	162	112	193	625	372	81	96
GOVERNMENT AND PUBLIC EDUCATION	*	66	*	132	393	*	234	0	256	160	34	145	85
NONCLASSIFIABLE EMPLOYMENT	48	114	40	54	125	34	80	31	54	54	43	26	74
TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AGRICULTURE	*	0.0	*	1.1	0.9	3.9	1.4	*	2.3	1.8	*	0.0	*
MINERAL EXTRACTION	0.0	0.0	0.0	0.0	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CONSTRUCTION	15.8	14.7	3.0	33.7	14.3	26.8	13.9	*	5.1	9.0	10.4	19.1	11.0
MANUFACTURING	*	*	0.0	*	10.1	*	0.0	0.0	*	2.3	6.3	0.0	*
TRANSPORTATION/COMMUNICATION/UTILITIES	*	3.7	0.0	*	3.7	*	0.0	*	0.0	0.4	3.7	0.0	*
WHOLESALE TRADE	3.0	3.9	*	11.4	0.9	*	0.6	0.0	*	3.1	3.0	1.0	*
RETAIL TRADE	8.2	3.2	49.1	23.5	16.6	1.9	8.1	6.8	1.6	28.6	35.5	8.8	2.3
FINANCE/INSURANCE/REAL ESTATE	*	2.5	3.7	2.6	3.8	20.0	0.0	17.6	1.4	5.8	10.0	40.3	0.0
SERVICES	33.4	50.2	25.1	11.5	33.7	28.5	25.8	54.6	34.1	36.4	25.3	9.9	31.1
GOVERNMENT AND PUBLIC EDUCATION	*	7.9	*	9.2	12.2	*	37.3	0.0	45.2	9.3	2.3	17.7	27.5
NONCLASSIFIABLE EMPLOYMENT	14.6	13.6	9.3	3.7	3.9	8.3	12.8	15.1	9.5	3.1	2.9	3.2	23.9

EMPLOYMENT CLASSIFICATION	3521	3522	3530	3540	3551	3552	3553	3560	3570	3580	3591	3592	3601
TOTAL	586	1302	825	1480	449	67	1185	242	2067	1421	1552	238	794
AGRICULTURE	7	*	*	*	70	0	26	33	0	0	*	0	15
MINERAL EXTRACTION	0	0	0	0	0	0	*	0	0	0	0	0	0
CONSTRUCTION	104	161	*	46	0	*	307	20	*	17	51	92	111
MANUFACTURING	*	*	0	19	0	0	*	*	1530	987	*	0	*
TRANSPORTATION/COMMUNICATION/UTILITIES	0	10	15	37	0	0	100	*	22	28	*	8	6
WHOLESALE TRADE	*	4	8	35	*	0	0	*	*	*	15	*	*
RETAIL TRADE	6	282	183	248	*	0	216	*	176	103	265	33	176
FINANCE/INSURANCE/REAL ESTATE	42	92	86	86	0	0	20	0	*	20	53	*	14
SERVICES	281	291	367	677	328	*	198	41	98	148	493	29	207
GOVERNMENT AND PUBLIC EDUCATION	105	377	36	198	*	*	178	68	127	100	231	0	186
NONCLASSIFIABLE EMPLOYMENT	34	83	105	128	9	*	80	23	97	17	51	51	77
TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AGRICULTURE	1.2	*	*	*	15.6	0.0	2.2	13.6	0.0	0.0	*	0.0	1.9
MINERAL EXTRACTION	0.0	0.0	0.0	0.0	0.0	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0
CONSTRUCTION	17.7	12.4	*	3.1	0.0	*	25.9	8.3	*	1.2	3.3	38.7	14.0
MANUFACTURING	*	*	0.0	1.3	0.0	0.0	*	*	74.0	69.5	*	0.0	0.1
TRANSPORTATION/COMMUNICATION/UTILITIES	0.0	0.8	1.8	2.5	0.0	0.0	8.4	*	1.1	2.0	*	3.4	0.8
WHOLESALE TRADE	*	0.3	1.0	2.4	*	0.0	0.0	*	*	*	1.0	*	0.1
RETAIL TRADE	1.0	21.7	22.2	16.8	*	0.0	18.2	*	8.5	7.2	17.1	13.9	22.2
FINANCE/INSURANCE/REAL ESTATE	7.2	7.1	10.4	5.8	0.0	0.0	1.7	0.0	*	1.4	3.4	*	1.8
SERVICES	48.0	22.4	44.5	45.7	73.1	*	16.7	16.9	4.7	10.4	31.8	12.2	26.1
GOVERNMENT AND PUBLIC EDUCATION	17.9	29.0	4.4	13.4	*	*	15.0	28.1	6.1	7.0	14.9	0.0	23.4
NONCLASSIFIABLE EMPLOYMENT	5.8	6.4	12.7	8.6	2.0	*	6.8	9.5	4.7	1.2	3.3	21.4	9.7

EMPLOYMENT CLASSIFICATION	3220	3230	3240	3250	3260	3270	3280	3290	3300	3310	3320	3331	3332
TOTAL	1247	303	2816	1130	196	4723	3770	1372	724	866	791	395	493
AGRICULTURE	*	*	5	*	*	*	*	*	*	*	*	*	*
MINERAL EXTRACTION	0	0	0	0	0	*	*	0	0	0	0	0	0
CONSTRUCTION	128	7	78	21	*	161	106	20	10	89	37	151	13
MANUFACTURING	*	0	145	21	*	214	168	0	0	16	6	*	*
TRANSPORTATION/COMMUNICATION/UTILITIES	0	0	30	14	0	304	427	0	*	*	*	13	0
WHOLESALE TRADE	*	0	58	23	*	239	120	0	*	11	*	*	4
RETAIL TRADE	90	14	1224	99	20	2503	1245	93	*	344	82	17	173
FINANCE/INSURANCE/REAL ESTATE	130	0	117	*	*	126	456	5	0	51	8	8	*
SERVICES	131	106	444	508	71	750	670	224	152	275	117	81	75
GOVERNMENT AND PUBLIC EDUCATION	725	136	641	376	*	396	554	971	431	38	482	*	142
NONCLASSIFIABLE EMPLOYMENT	37	37	74	63	46	28	20	57	48	37	54	48	40
TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.00	100.0	100.0	100.0
AGRICULTURE	*	*	0.2	*	*	*	*	*	*	*	*	1.8	*
MINERAL EXTRACTION	0.0	0.0	0.0	0.0	0.0	*	*	0.0	0.0	0.0	0.0	0.0	0.0
CONSTRUCTION	10.3	2.3	2.8	1.9	*	3.4	2.8	1.5	1.4	10.3	4.7	38.2	2.6
MANUFACTURING	*	0.0	5.1	1.9	*	4.5	4.5	0.0	0.0	1.8	0.8	*	*
TRANSPORTATION/COMMUNICATION/UTILITIES	0.0	0.0	1.1	1.2	0.0	6.4	11.3	0.0	*	*	*	3.3	0.0
WHOLESALE TRADE	*	0.0	2.1	2.0	*	5.1	3.2	0.0	*	1.3	*	*	0.8
RETAIL TRADE	7.2	4.6	43.5	8.8	10.2	53.0	33.0	6.8	*	39.7	10.4	4.3	35.1
FINANCE/INSURANCE/REAL ESTATE	10.4	0.0	4.2	*	*	2.7	12.1	0.4	0.0	5.9	1.0	2.0	*
SERVICES	10.5	35.0	15.8	45.0	36.2	15.9	17.8	16.3	21.0	31.8	14.8	20.5	15.2
GOVERNMENT AND PUBLIC EDUCATION	58.1	44.9	22.8	33.3	*	8.4	14.7	70.8	59.5	4.4	60.9	*	28.8
NONCLASSIFIABLE EMPLOYMENT	3.0	12.2	2.6	5.6	23.5	0.6	0.5	4.2	6.6	4.3	6.8	12.2	8.1

EMPLOYMENT CLASSIFICATION	3340	3350	3361	3362	3371	3372	3373	3381	3382	3383	3390	3400	3410
TOTAL	896	722	857	878	93	3278	213	689	1562	1475	9083	2116	877
AGRICULTURE	7	0	*	14	*	41	*	18	11	*	17	28	*
MINERAL EXTRACTION	0	0	0	0	0	0	0	0	0	0	*	*	0
CONSTRUCTION	153	313	360	330	55	735	*	288	92	223	859	178	81
MANUFACTURING	3	15	0	*	0	1208	0	*	*	0	651	46	48
TRANSPORTATION/COMMUNICATION/UTILITIES	0	10	71	42	*	637	0	0	0	*	388	162	228
WHOLESALE TRADE	8	*	18	9	0	108	*	12	0	*	123	51	53
RETAIL TRADE	279	76	245	193	*	257	45	106	133	250	3108	472	49
FINANCE/INSURANCE/REAL ESTATE	15	25	26	29	*	17	9	66	29	52	918	34	25
SERVICES	214	139	76	138	19	190	65	108	346	728	2358	662	256
GOVERNMENT AND PUBLIC EDUCATION	*	120	*	*	0	*	*	*	452	148	577	303	52
NONCLASSIFIABLE EMPLOYMENT	51	23	23	23	6	40	17	60	63	68	80	128	71
TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AGRICULTURE	0.8	0.0	*	1.6	*	1.3	*	2.6	0.7	8	0.2	1.3	*
MINERAL EXTRACTION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*	*	0.0
CONSTRUCTION	17.1	43.4	42.0	37.6	59.1	22.4	*	41.8	5.9	15.1	9.5	8.4	9.2
MANUFACTURING	*	2.1	0.0	*	0.0	36.9	0.0	*	*	0.0	7.2	2.2	5.5
TRANSPORTATION/COMMUNICATION/UTILITIES	0.0	1.4	8.3	4.8	*	19.4	0.0	0.0	0.0	*	4.3	7.7	26.0
WHOLESALE TRADE	0.9	*	2.1	1.0	0.0	3.3	*	1.7	0.0	*	1.4	2.4	6.0
RETAIL TRADE	31.1	10.5	28.6	22.0	*	7.8	21.1	15.4	8.5	16.9	34.2	22.3	5.6
FINANCE/INSURANCE/REAL ESTATE	1.7	3.5	3.0	3.3	*	0.5	4.2	9.6	1.9	3.5	10.1	1.6	2.9
SERVICES	23.9	19.3	8.9	15.7	20.4	5.8	30.5	15.7	22.2	49.4	26.0	31.3	29.2
GOVERNMENT AND PUBLIC EDUCATION	*	16.6	*	*	0.0	*	*	*	28.9	10.0	6.4	14.3	5.9
NONCLASSIFIABLE EMPLOYMENT	5.7	3.2	2.7	2.6	6.5	1.2	8.0	8.7	4.0	4.6	0.9	6.0	8.1

EMPLOYMENT CLASSIFICATION	3602	3610	3620	3630	3640	3650	3660	3671	3672	3680	3690	3709	3710
TOTAL	411	451	228	984	477	3914	866	347	1381	760	2308	508	758
AGRICULTURE	21	*	0	4	*	217	4	0	0	*	*	0	*
MINERAL EXTRACTION	0	0	0	0	0	0	0	0	0	0	0	0	0
CONSTRUCTION	35	15	10	404	74	29	7	*	10	43	7	*	39
MANUFACTURING	3	0	*	*	74	3018	*	0	0	54	19	*	8
TRANSPORTATION/COMMUNICATION/UTILITIES	0	0	*	43	8	74	94	*	0	*	82	23	53
WHOLESALE TRADE	*	4	*	*	*	116	*	*	*	8	35	*	11
RETAIL TRADE	38	141	3	117	90	69	74	31	752	222	522	205	177
FINANCE/INSURANCE/REAL ESTATE	*	*	0	19	0	7	*	0	130	13	42	57	142
SERVICES	69	227	39	122	90	223	120	43	83	168	738	110	212
GOVERNMENT AND PUBLIC EDUCATION	185	*	134	206	123	78	184	224	387	211	784	35	78
NONCLASSIFIABLE EMPLOYMENT	54	34	37	66	77	83	40	31	17	37	65	46	37
TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AGRICULTURE	5.1	*	0.0	0.4	*	5.5	0.5	0.0	0.0	*	*	0.0	*
MINERAL EXTRACTION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CONSTRUCTION	8.5	3.3	4.4	41.1	15.5	0.7	0.8	*	0.7	5.7	0.3	*	5.1
MANUFACTURING	0.7	0.0	*	*	77.1	10.9	*	0.0	0.0	7.1	0.8	*	1.1
TRANSPORTATION/COMMUNICATION/UTILITIES	0.0	0.0	*	4.4	1.7	1.9	10.9	*	0.0	*	3.6	4.5	7.0
WHOLESALE TRADE	*	0.9	*	*	*	3.0	*	*	*	1.1	1.5	*	1.5
RETAIL TRADE	9.2	31.3	1.3	11.9	18.9	1.8	8.5	8.9	54.5	29.2	22.6	40.4	23.4
FINANCE/INSURANCE/REAL ESTATE	*	*	0.0	1.9	0.0	0.2	*	0.0	9.4	1.7	1.8	11.2	18.7
SERVICES	16.8	50.3	17.1	12.4	18.9	5.7	13.9	12.4	6.0	22.1	32.0	21.7	28.0
GOVERNMENT AND PUBLIC EDUCATION	45.0	*	58.8	20.9	25.8	2.0	21.2	67.4	28.0	27.8	34.0	6.9	10.3
NONCLASSIFIABLE EMPLOYMENT	13.1	7.5	16.2	6.7	16.1	2.1	4.6	8.9	1.2	4.9	2.8	9.1	4.9

EMPLOYMENT CLASSIFICATION	3720	3730	3740	3750	3760	3770	3780	3790	3800	3810	3820	3830	3840
TOTAL	775	275	1123	436	696	2730	8513	1511	5633	3586	349	640	157
AGRICULTURE	0	0	0	0	*	*	21	0	*	54	0	*	0
MINERAL EXTRACTION	0	0	0	0	*	0	*	0	0	0	0	0	0
CONSTRUCTION	20	30	*	0	43	76	29	172	204	258	55	17	*
MANUFACTURING	3	*	10	4	220	250	3938	511	1857	45	*	*	0
TRANSPORTATION/COMMUNICATION/UTILITIES	*	14	0	111	*	387	1831	37	615	233	*	43	0
WHOLESALE TRADE	*	*	58	42	30	22	735	33	1282	*	*	43	22
RETAIL TRADE	174	75	247	95	35	708	163	133	815	839	23	234	*
FINANCE/INSURANCE/REAL ESTATE	*	6	71	23	*	296	*	24	0	82	0	0	0
SERVICES	331	95	211	87	92	352	1481	278	383	723	27	98	56
GOVERNMENT AND PUBLIC EDUCATION	175	*	505	68	230	612	216	297	444	1315	102	135	*
NONCLASSIFIABLE EMPLOYMENT	60	20	17	6	11	26	51	26	23	26	23	51	28
TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AGRICULTURE	0.0	0.0	0.0	0.0	*	*	0.2	0.0	*	1.5	0.0	*	0.0
MINERAL EXTRACTION	0.0	0.0	0.0	0.0	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0
CONSTRUCTION	2.6	10.9	*	0.0	6.2	2.8	0.3	11.4	3.6	7.2	15.8	2.7	*
MANUFACTURING	0.4	*	0.9	0.9	31.6	9.2	46.3	33.8	33.0	1.3	*	*	0.0
TRANSPORTATION/COMMUNICATION/UTILITIES	*	5.1	0.0	25.5	*	14.2	21.5	2.4	10.9	6.5	*	6.7	0.0
WHOLESALE TRADE	*	*	5.2	9.6	4.3	0.8	8.6	2.2	22.8	*	*	6.7	14.0
RETAIL TRADE	22.5	27.3	22.0	21.8	5.0	25.9	1.9	1.6	14.5	23.4	6.6	36.6	*
FINANCE/INSURANCE/REAL ESTATE	*	2.2	6.3	5.3	*	10.8	*	1.6	0.0	2.3	0.0	0.0	0.0
SERVICES	42.7	34.5	20.0	15.6	13.2	12.9	17.4	18.4	6.8	20.2	7.7	15.3	35.7
GOVERNMENT AND PUBLIC EDUCATION	22.6	*	45.0	15.6	33.0	22.4	2.5	19.7	7.9	36.7	29.2	21.1	*
NONCLASSIFIABLE EMPLOYMENT	7.7	7.3	1.5	1.4	1.6	1.0	0.6	1.7	0.4	0.7	6.6	8.0	17.8

EMPLOYMENT CLASSIFICATION	3851	3852	3860	3870	3880	3891	3892	3901	3902	3910	3920
TOTAL	115	87	1118	452	386	1182	231	116	214	169	120
AGRICULTURE	*	*	47	0	0	0	*	*	0	0	0
MINERAL EXTRACTION	0	0	0	0	0	0	0	0	0	0	0
CONSTRUCTION	*	14	79	24	41	*	3	17	*	9	0
MANUFACTURING	0	0	87	0	*	*	6	*	0	0	*
TRANSPORTATION/COMMUNICATION/UTILITIES	0	0	*	8	0	0	0	0	0	0	0
WHOLESALE TRADE	*	0	*	0	28	7	*	0	0	*	5
RETAIL TRADE	10	*	515	157	86	800	140	0	29	*	26
FINANCE/INSURANCE/REAL ESTATE	6	0	51	8	74	63	*	0	*	54	*
SERVICES	28	52	201	30	95	217	66	43	50	38	28
GOVERNMENT AND PUBLIC EDUCATION	*	0	*	208	*	*	0	*	*	20	*
NONCLASSIFIABLE EMPLOYMENT	34	11	17	17	20	14	11	26	14	43	34
TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AGRICULTURE	*	*	4.2	0.0	0.0	0.0	*	8.6	0.0	0.0	0.0
MINERAL EXTRACTION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CONSTRUCTION	*	16.1	7.1	5.3	10.6	*	1.3	14.7	*	5.3	0.0
MANUFACTURING	0.0	0.0	7.8	0.0	*	*	2.6	2.6	0.0	0.0	*
TRANSPORTATION/COMMUNICATION/UTILITIES	0.0	0.0	*	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WHOLESALE TRADE	*	0.0	*	0.0	7.3	0.6	*	0.0	0.0	*	4.2
RETAIL TRADE	8.7	*	46.1	34.7	22.3	67.7	60.6	0.0	13.6	*	21.7
FINANCE/INSURANCE/REAL ESTATE	5.2	0.0	4.6	1.8	19.2	5.3	*	0.0	*	32.0	*
SERVICES	24.3	59.8	18.0	6.6	24.6	18.4	28.6	37.1	23.4	22.5	23.3
GOVERNMENT AND PUBLIC EDUCATION	*	0.0	*	46.0	*	*	0.0	14.7	*	11.8	*
NONCLASSIFIABLE EMPLOYMENT	29.6	12.6	1.5	3.8	5.2	1.2	4.8	22.4	6.5	25.4	28.3

Source: Contra Costa County Planning Department

LUTS Statistical Area Employment (Establishments)

ESTABLISHMENT CLASSIFICATION	1	2	3	4	5	6	7	8	9	10	11	12	13
TOTAL	169	830	130	79	1158	362	877	1131	2861	1171	3073	255	990
AGRICULTURE	9	157	39	10	30	4	*	12	23	14	32	11	13
MINERAL EXTRACTION	*	*	*	0	*	0	0	0	3	0	*	*	*
CONSTRUCTION	6	23	*	0	106	26	11	65	206	47	314	29	57
MANUFACTURING	4	13	3	0	20	*	9	27	44	30	90	*	35
TRANSPORTATION/COMMUNICATION/UTILITIES	6	19	4	*	11	3	8	12	49	16	69	7	44
WHOLESALE TRADE	1	14	6	*	20	5	24	28	66	26	91	0	14
RETAIL TRADE	19	103	12	*	171	50	72	151	449	172	547	22	237
FINANCE/INSURANCE/REAL ESTATE	*	14	0	0	40	25	51	60	258	58	165	5	66
SERVICES	101	417	48	57	542	162	555	627	1364	588	1361	124	423
GOVERNMENT AND PUBLIC EDUCATION	*	28	5	2	28	19	12	21	59	40	74	9	18
NONCLASSIFIABLE ESTABLISHMENT	18	41	11	5	189	66	133	128	340	180	328	45	81
TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AGRICULTURE	5.3	18.9	30.0	12.7	2.6	1.1	*	1.1	0.8	1.2	1.0	4.3	1.3
MINERAL EXTRACTION	*	*	0.0	0.0	*	0.0	0.0	0.0	0.1	0.0	*	*	*
CONSTRUCTION	3.6	2.8	*	0.0	9.2	7.2	0.3	5.7	7.2	4.0	10.2	11.4	5.8
MANUFACTURING	2.4	1.6	2.3	0.0	1.7	*	1.0	2.4	1.5	2.6	2.9	*	3.5
TRANSPORTATION/COMMUNICATION/UTILITIES	3.6	2.3	3.1	*	0.9	0.8	0.9	1.1	1.7	1.4	2.2	2.7	4.4
WHOLESALE TRADE	0.6	1.7	4.6	*	1.7	1.4	2.7	2.5	2.3	2.2	3.0	0.0	1.4
RETAIL TRADE	11.2	12.4	9.2	*	14.8	13.8	8.2	13.4	15.7	14.7	17.8	8.6	23.9
FINANCE/INSURANCE/REAL ESTATE	*	1.7	0.0	0.0	3.5	6.9	5.8	5.3	9.0	5.0	5.4	2.0	6.7
SERVICES	59.8	50.2	36.9	72.2	46.8	44.8	63.3	55.3	47.7	50.1	44.3	48.6	42.8
GOVERNMENT AND PUBLIC EDUCATION	*	3.4	3.8	2.5	2.4	5.2	1.4	1.9	2.1	3.4	2.4	3.5	1.8
NONCLASSIFIABLE ESTABLISHMENT	10.7	4.9	8.5	6.3	16.3	18.2	15.2	11.3	11.9	15.4	10.7	17.6	8.2
ESTABLISHMENT CLASSIFICATION	14	15	16	17	18	19	20	21	22	23			
TOTAL	778	340	965	72	320	459	639	1114	2990	442			
AGRICULTURE	4	6	7	9	0	*	13	9	13	13			
MINERAL EXTRACTION	0	*	0	0	0	0	0	0	*	*			
CONSTRUCTION	50	18	55	5	9	32	65	56	158	14			
MANUFACTURING	39	27	33	1	9	4	5	25	128	75			
TRANSPORTATION/COMMUNICATION/UTILITIES	39	18	50	2	8	10	8	15	74	25			
WHOLESALE TRADE	19	6	11	1	3	10	7	22	92	31			
RETAIL TRADE	182	56	137	1	78	72	35	226	650	72			
FINANCE/INSURANCE/REAL ESTATE	48	14	45	0	7	17	3	56	150	6			
SERVICES	312	149	452	36	124	199	289	498	1283	106			
GOVERNMENT AND PUBLIC EDUCATION	32	12	80	4	17	11	23	26	129	22			
NONCLASSIFIABLE ESTABLISHMENT	53	33	95	13	65	102	131	181	312	76			
TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0			
AGRICULTURE	0.5	1.8	0.7	12.5	0.0	*	2.0	0.8	0.4	2.9			
MINERAL EXTRACTION	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	*	*			
CONSTRUCTION	6.4	5.3	5.7	6.9	2.8	7.0	10.2	5.0	5.3	3.2			
MANUFACTURING	5.0	7.9	3.4	0.9	1.4	0.8	0.8	2.2	4.3	16.9			
TRANSPORTATION/COMMUNICATION/UTILITIES	5.0	5.3	5.2	2.8	2.5	2.2	1.3	1.3	2.5	5.7			
WHOLESALE TRADE	2.4	1.8	1.1	1.4	0.9	2.2	1.1	2.0	3.1	7.0			
RETAIL TRADE	23.4	16.5	14.2	1.4	24.4	15.7	13.3	20.4	21.7	16.3			
FINANCE/INSURANCE/REAL ESTATE	6.2	4.1	4.7	0.0	2.2	3.7	4.7	2.0	5.0	1.4			
SERVICES	40.2	43.8	46.9	50.0	38.8	43.3	45.2	44.8	43.0	24.0			
GOVERNMENT AND PUBLIC EDUCATION	4.1	3.5	8.3	5.6	5.3	2.4	3.6	2.3	4.3	5.0			
NONCLASSIFIABLE ESTABLISHMENT	6.8	9.7	9.8	18.1	20.3	22.2	20.5	16.2	10.4	17.1			

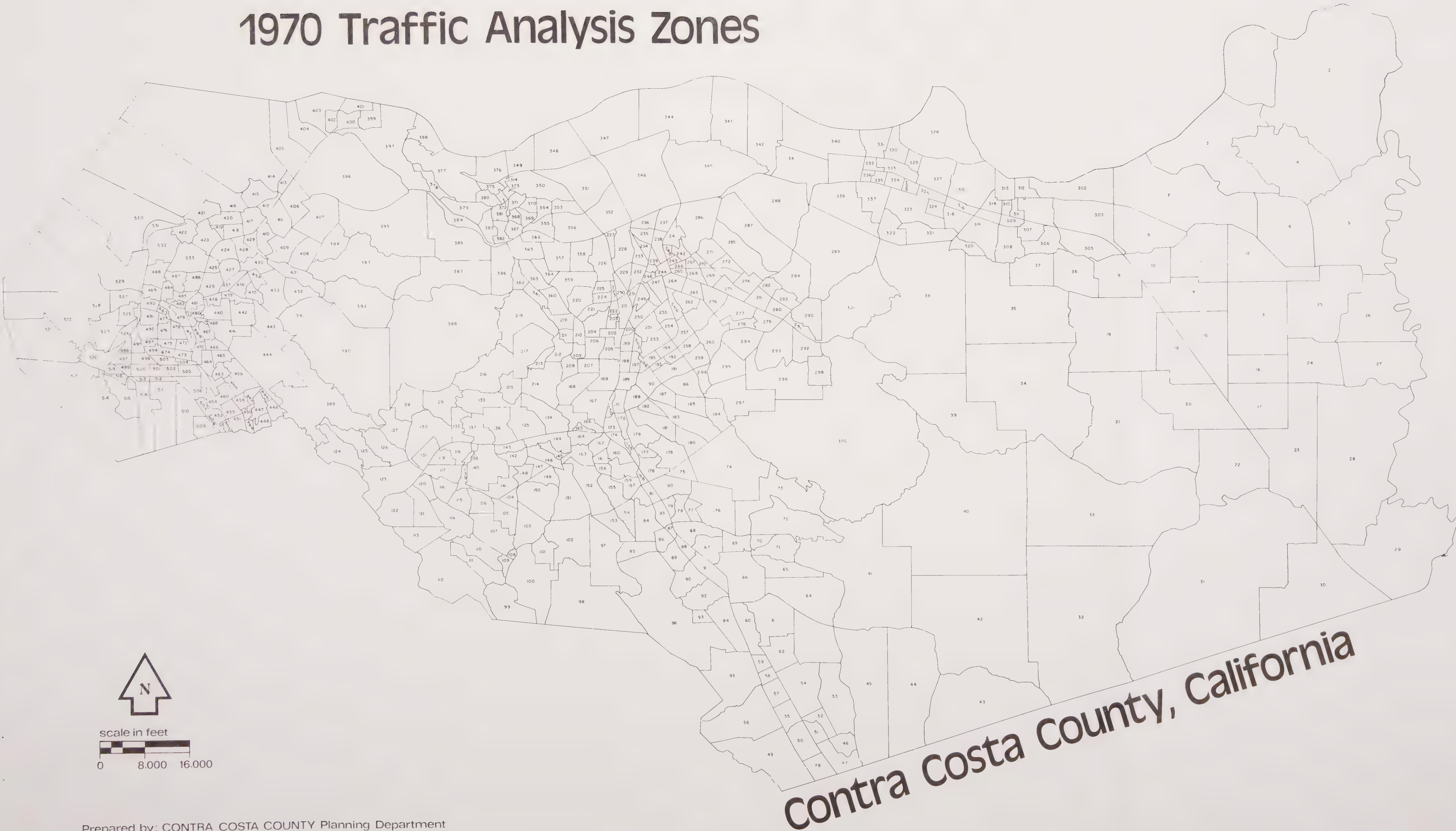
LUTS Statistical Area Employment Data (Employment)

EMPLOYMENT CLASSIFICATION	1	2	3	4	5	6	7	8	9	10	11	12	13
TOTAL	447	4178	660	449	6135	1888	2305	4059	17097	6871	20826	1185	7861
AGRICULTURE	54	1664	451	70	74	8	*	56	75	25	150	26	27
MINERAL EXTRACTION	*	*	*	0	*	0	0	0	56	1	*	*	*
CONSTRUCTION	32	117	*	0	1156	265	70	370	1764	254	2851	307	539
MANUFACTURING	9	513	5	0	369	*	19	140	1185	260	1665	*	2853
TRANSPORTATION/COMMUNICATION/UTILITIES	18	246	17	*	126	10	52	64	823	181	1516	100	427
WHOLESALE TRADE	10	142	23	*	203	6	43	101	279	117	537	0	51
RETAIL TRADE	85	350	20	*	1144	288	431	1027	4138	1842	5695	216	1547
FINANCE/INSURANCE/REAL ESTATE	*	61	0	0	257	134	172	255	1411	296	860	20	264
SERVICES	172	521	69	328	1640	572	1044	1286	4962	1617	3319	198	1163
GOVERNMENT AND PUBLIC EDUCATION	*	481	51	32	832	482	234	535	1806	1962	3652	178	827
NONCLASSIFIABLE EMPLOYMENT	31	72	20	9	333	117	233	225	598	316	578	80	143
TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AGRICULTURE	12.1	39.7	68.3	15.6	1.2	0.4	*	1.4	0.4	0.4	0.7	2.2	0.3
MINERAL EXTRACTION	*	*	0.0	0.0	*	0.0	0.0	0.0	0.3	0.0	*	*	*
CONSTRUCTION	7.2	2.8	*	0.0	18.8	14.0	3.0	9.1	10.3	3.7	13.7	25.9	6.9
MANUFACTURING	2.0	12.3	0.8	0.0	6.0	*	0.8	3.4	6.9	3.8	8.0	*	36.3
TRANSPORTATION/COMMUNICATION/UTILITIES	4.0	5.9	2.6	*	2.1	0.5	2.3	1.6	4.8	2.6	7.3	8.4	5.4
WHOLESALE TRADE	2.2	3.4	3.5	*	3.3	0.3	1.9	2.5	1.6	1.7	2.6	0.0	0.6
RETAIL TRADE	19.0	8.4	3.0	*	18.6	15.3	18.7	25.3	24.3	26.8	27.3	18.2	19.7
FINANCE/INSURANCE/REAL ESTATE	*	1.5	0.0	0.0	4.2	7.1	7.5	6.3	8.3	4.3	4.1	1.7	3.4
SERVICES	38.5	12.5	10.5	73.1	26.8	30.3	45.2	31.7	29.0	23.5	15.9	16.7	14.8
GOVERNMENT AND PUBLIC EDUCATION	*	11.5	7.7	7.1	13.6	25.6	10.2	13.2	10.6	28.6	17.6	15.0	10.5
NONCLASSIFIABLE EMPLOYMENT	6.9	1.7	3.0	2.0	5.4	6.2	10.1	5.5	3.5	4.6	2.8	6.8	1.8

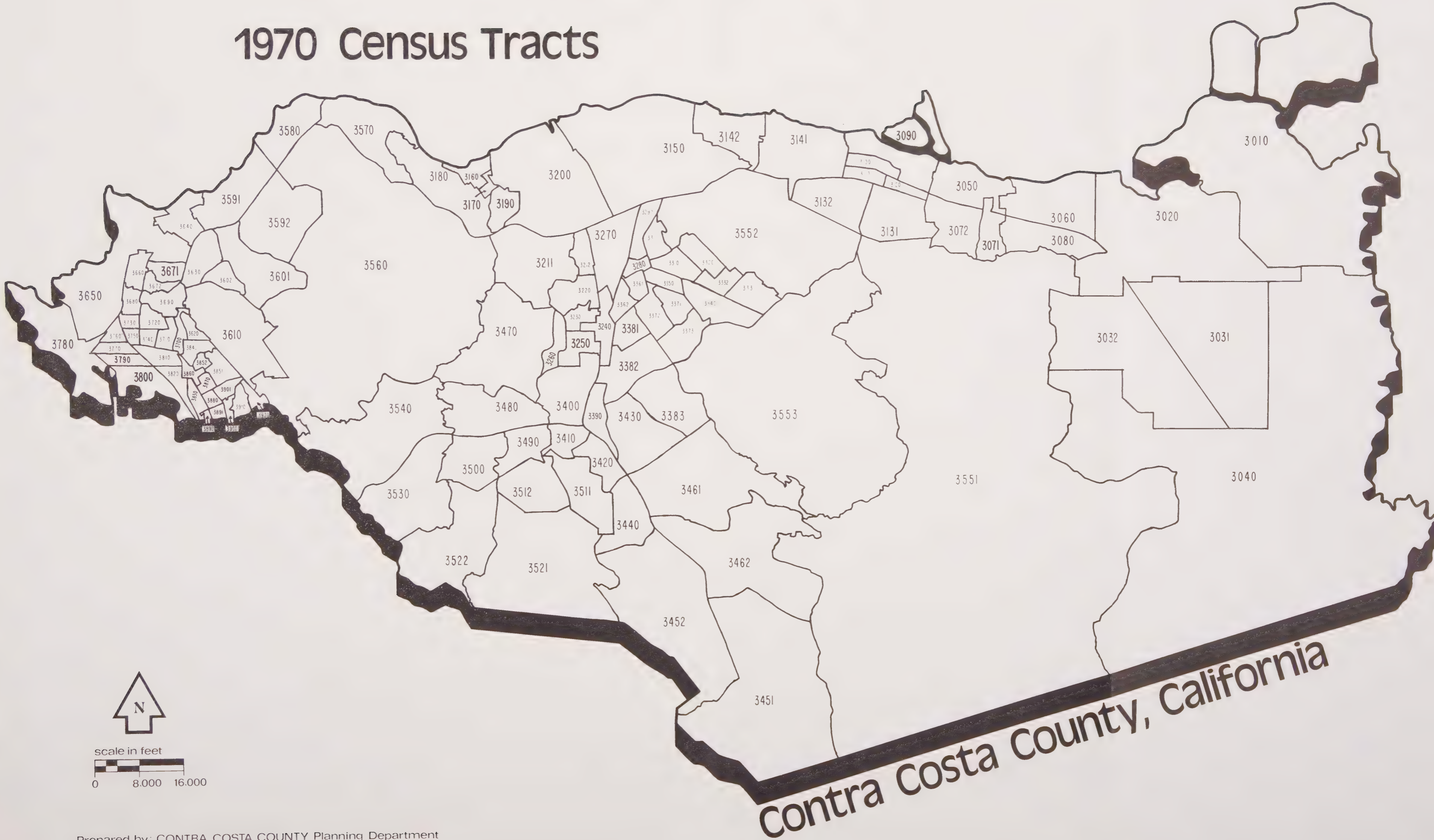
EMPLOYMENT CLASSIFICATION	14	15	16	17	18	19	20	21	22	23
TOTAL	9324	4815	9194	242	3488	2267	2640	4987	24270	12427
AGRICULTURE	4	27	13	33	0	*	41	74	86	238
MINERAL EXTRACTION	0	*	0	0	0	0	0	0	*	*
CONSTRUCTION	404	156	355	20	21	217	565	270	999	58
MANUFACTURING	4713	1914	1721	30	2517	392	6	121	3400	6956
TRANSPORTATION/COMMUNICATION/UTILITIES	870	97	643	3	50	18	49	56	1690	1905
WHOLESALE TRADE	275	25	104	2	6	17	8	118	1594	851
RETAIL TRADE	883	169	698	22	279	388	472	2035	5130	232
FINANCE/INSURANCE/REAL ESTATE	177	65	171	0	28	77	49	265	899	10
SERVICES	781	283	1279	41	246	612	625	1002	4092	1704
GOVERNMENT AND PUBLIC EDUCATION	1126	2017	4042	68	227	354	594	726	5827	294
NONCLASSIFIABLE EMPLOYMENT	91	58	168	23	114	179	231	320	548	134
TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AGRICULTURE	0.0	0.6	0.1	13.6	0.0	*	1.6	1.5	0.4	1.9
MINERAL EXTRACTION	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	*	*
CONSTRUCTION	4.3	3.2	3.9	8.3	0.6	9.6	21.4	5.4	4.1	0.5
MANUFACTURING	50.6	39.8	18.7	12.4	72.1	17.3	0.2	2.4	14.0	56.0
TRANSPORTATION/COMMUNICATION/UTILITIES	9.3	2.0	7.0	1.2	1.4	0.8	1.9	1.1	7.0	15.3
WHOLESALE TRADE	2.9	0.5	1.1	0.8	0.2	0.7	0.3	2.4	6.6	6.8
RETAIL TRADE	9.5	3.5	7.6	9.1	8.0	17.1	17.9	40.8	21.0	1.9
FINANCE/INSURANCE/REAL ESTATE	1.9	1.3	1.9	0.0	0.8	3.4	1.9	5.3	3.7	0.1
SERVICES	8.4	5.9	13.9	16.9	7.1	27.0	23.6	20.1	16.9	13.6
GOVERNMENT AND PUBLIC EDUCATION	12.1	41.9	44.0	28.1	6.5	15.6	22.4	14.6	24.0	2.4
NONCLASSIFIABLE EMPLOYMENT	1.0	1.2	1.8	9.5	3.3	7.9	8.8	6.4	2.3	1.1

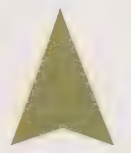
Source: Contra Costa County Planning Department

1970 Traffic Analysis Zones



1970 Census Tracts





SCALE IN FEET
4000 0 4000



DESIGN OF 1970 CENSUS TRACT NUMBERS

1ST DIGIT = REGIONAL DESIGNATION
2ND & 3RD DIGITS = 1960 CENSUS TRACT NUMBER *
4TH DIGIT = INDICATION OF 1960 CENSUS TRACT SPLIT
3031 (0 INDICATES UNDIVIDED TRACTS)

* 1960 CENSUS TRACT PREFIX WAS DISCONTINUED FOR THE 1970 CENSUS
NOTE: MAJOR BOUNDARY CHANGES MADE FOR C T 3072 AND C T 3311 ONLY

BAY AREA REGION CENSUS TRACT NUMBERS



- MAP SYMBOLS
- ANTIOCH
 - Alamo
 - INCORPORATED AREAS
 - UNINCORPORATED AREAS
 - FREWAYS AND MAJOR ROADS
 - MINOR ROADS AND STREETS
 - RAILROADS AND BAY AREA RAPID TRANSIT
 - CENSUS TRACT NUMBER
 - CENSUS TRACT BOUNDARY
 - L. U. T. S. STATISTICAL AREA BOUNDARY

PREPARED BY THE CONTRA COSTA COUNTY
PLANNING DEPARTMENT, JANUARY, 1972

L.U.T.S. STATISTICAL AREAS
1970 CENSUS TRACTS
CONTRA COSTA COUNTY
CALIFORNIA

CENSUS TRACT DELINEATION AND NUMBERING
DEVELOPED BY THE CONTRA COSTA CENSUS TRACT
COMMITTEE AND COUNTY PLANNING DEPARTMENT IN
COOPERATION WITH THE ASSOCIATION OF BAY AREA
GOVERNMENTS AND U. S. DEPARTMENT OF
COMMERCE, BUREAU OF THE CENSUS

BASE MAP PREPARED BY THE
CONTRA COSTA COUNTY PLANNING DEPARTMENT
ADMINISTRATION BUILDING - MARTINEZ
CALIFORNIA 94553 - JULY, 1970

This report was prepared by the Contra Costa County Planning Department under the direction of Anthony A. Dehaesus, Director of Planning.

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Arthur F. Pedreira, Report Preparation

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